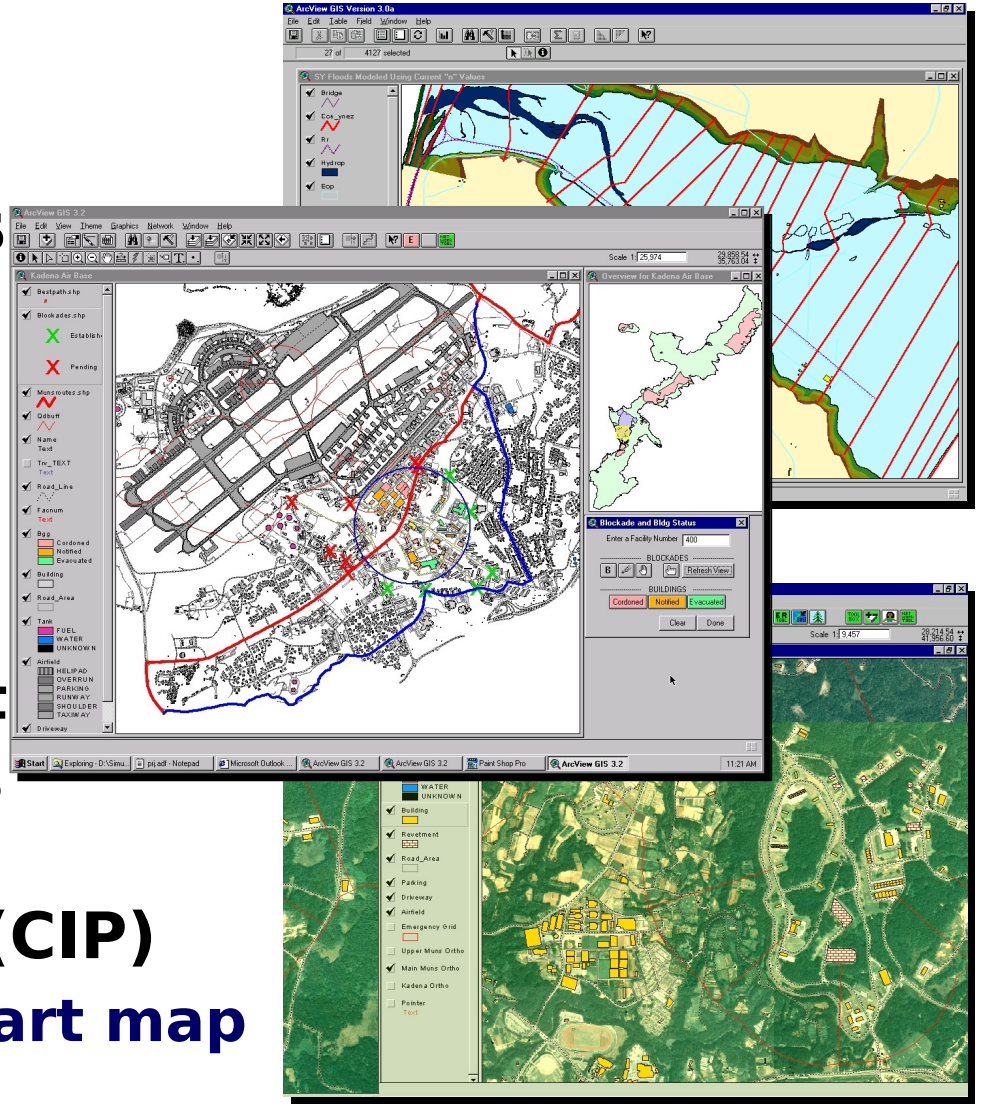
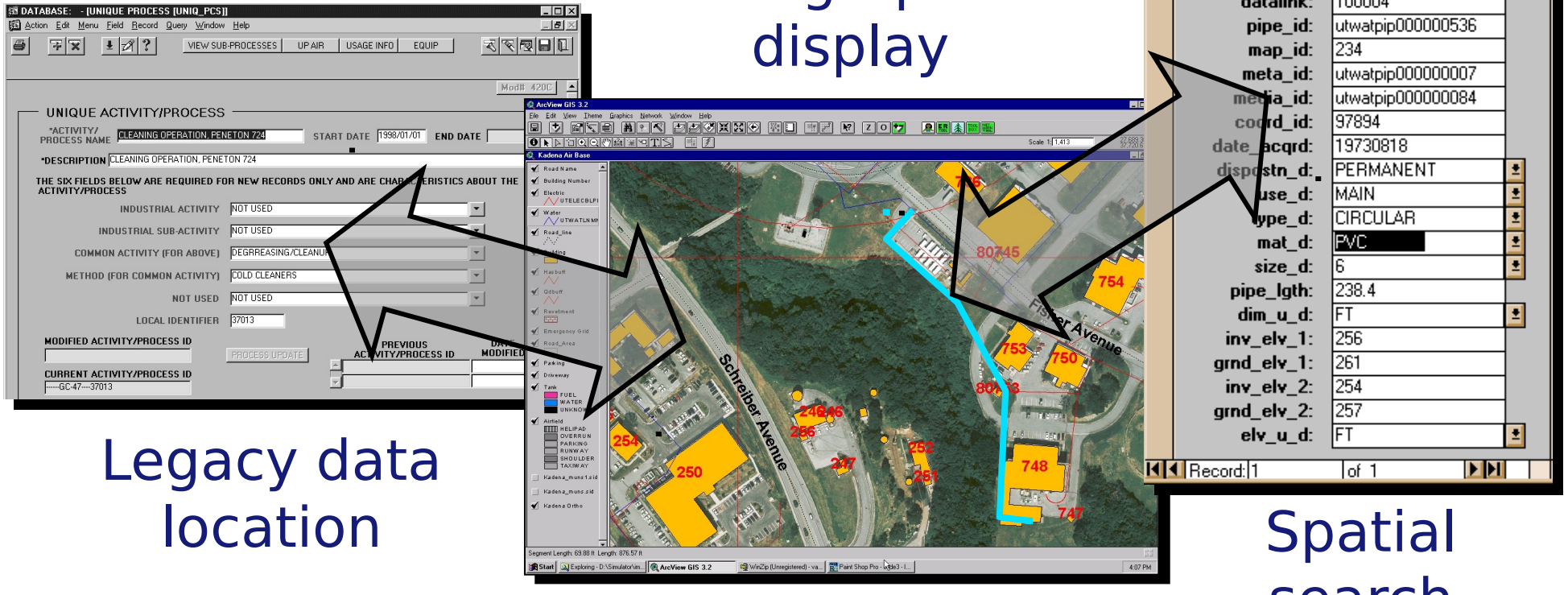
What is GeoBase ?

- **Air Force Origins**
  - **A Base Commander's decision support tool**
    - **Elevates access and visibility**
    - **Provides situational awareness**
      - **Crisis management**
      - **Routine operations**
    - **Provides a Common Installation Picture (CIP)**
      - **One base – one smart map**



GeoBase *Enables*

Geographic display



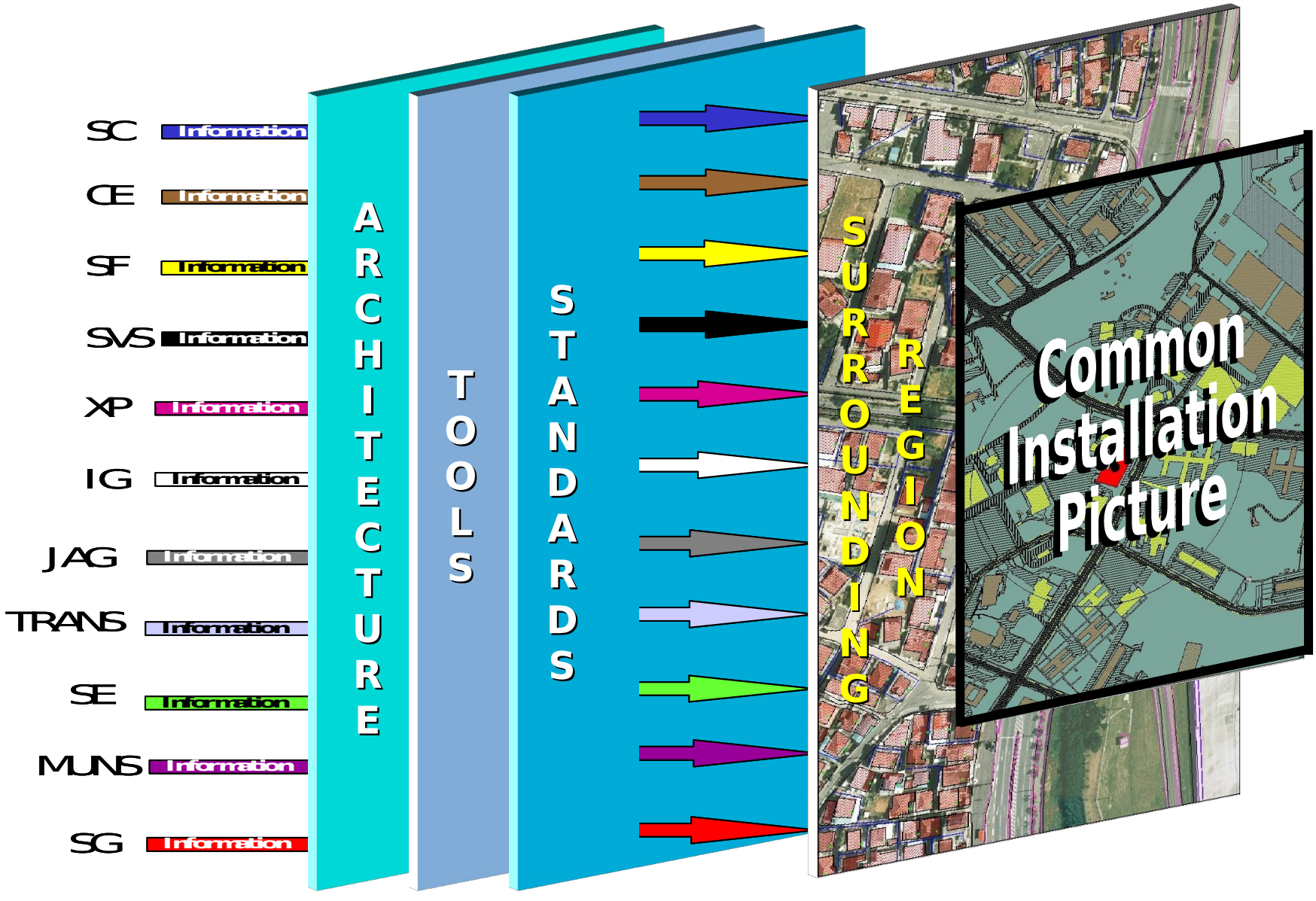
Legacy data location

Spatial search

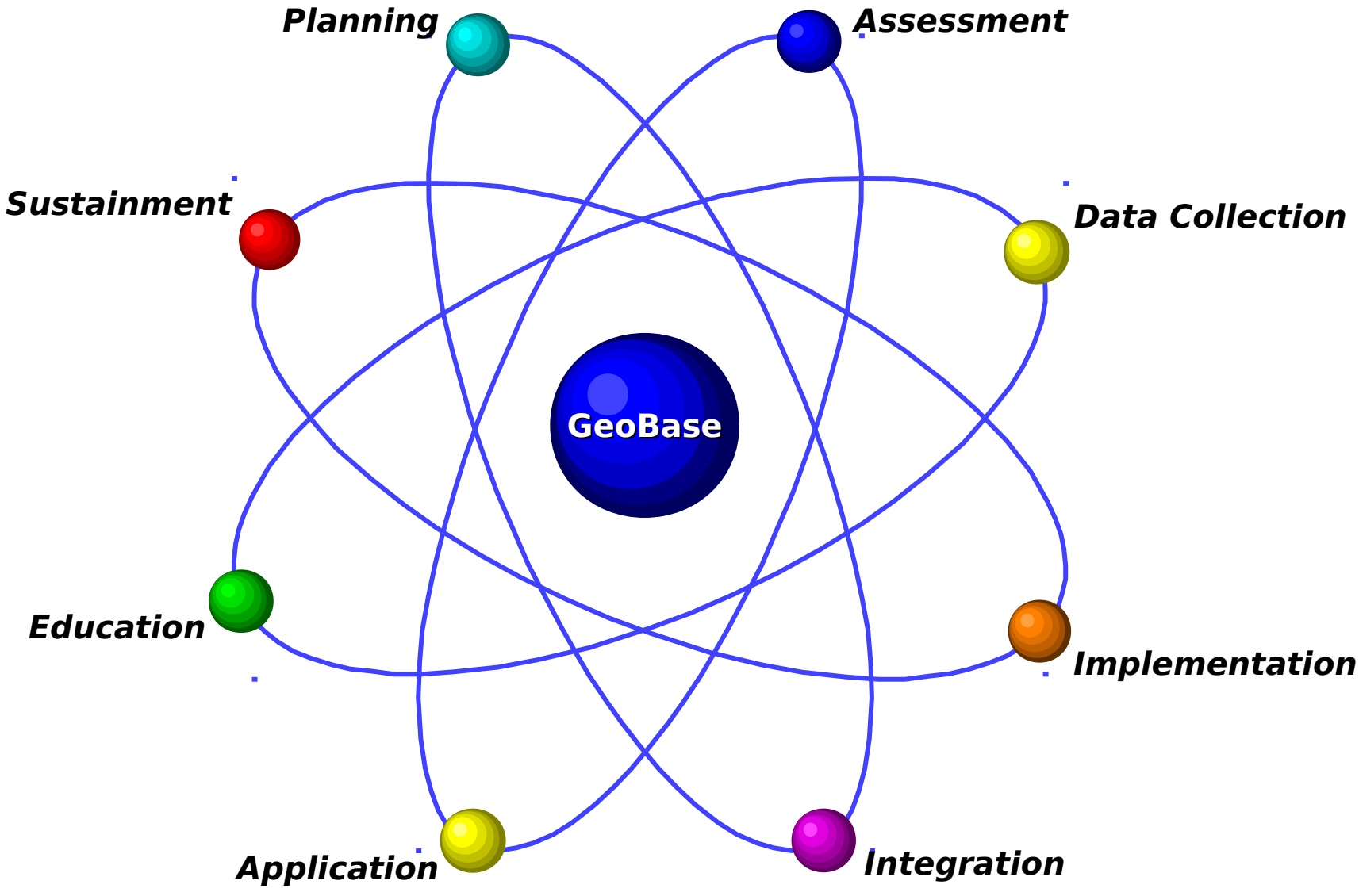
Find legacy data connected to *map features*

Locate map features to find *legacy data*

GeoBase *Integrates*



GeoBase *Services*



GeoBase *Application*

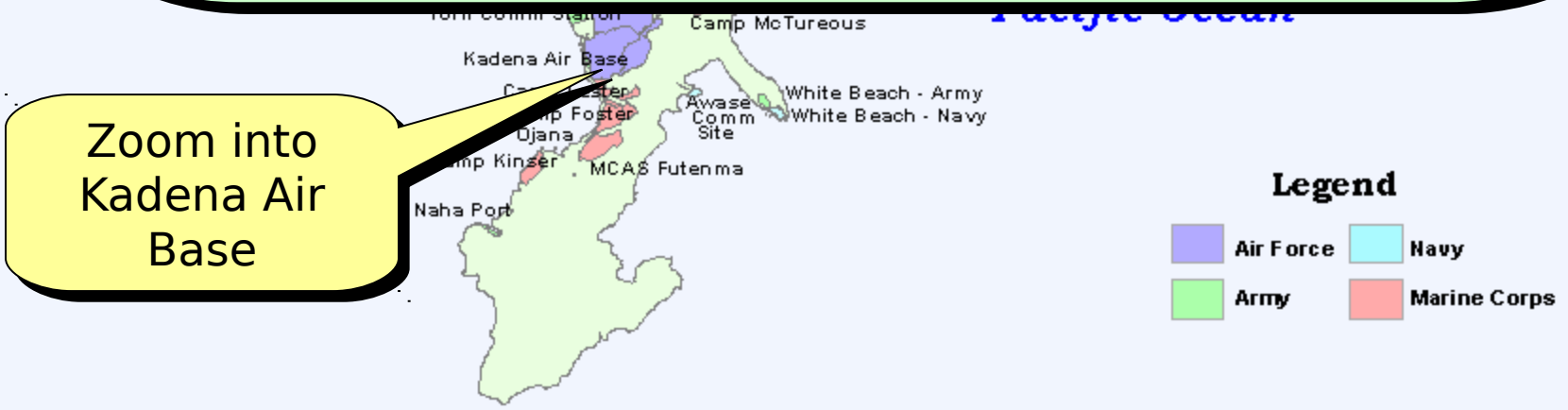
- We will now show you a real world application of *GeoBase* concepts, developed by IITA . . .

The GeoBase Simulator

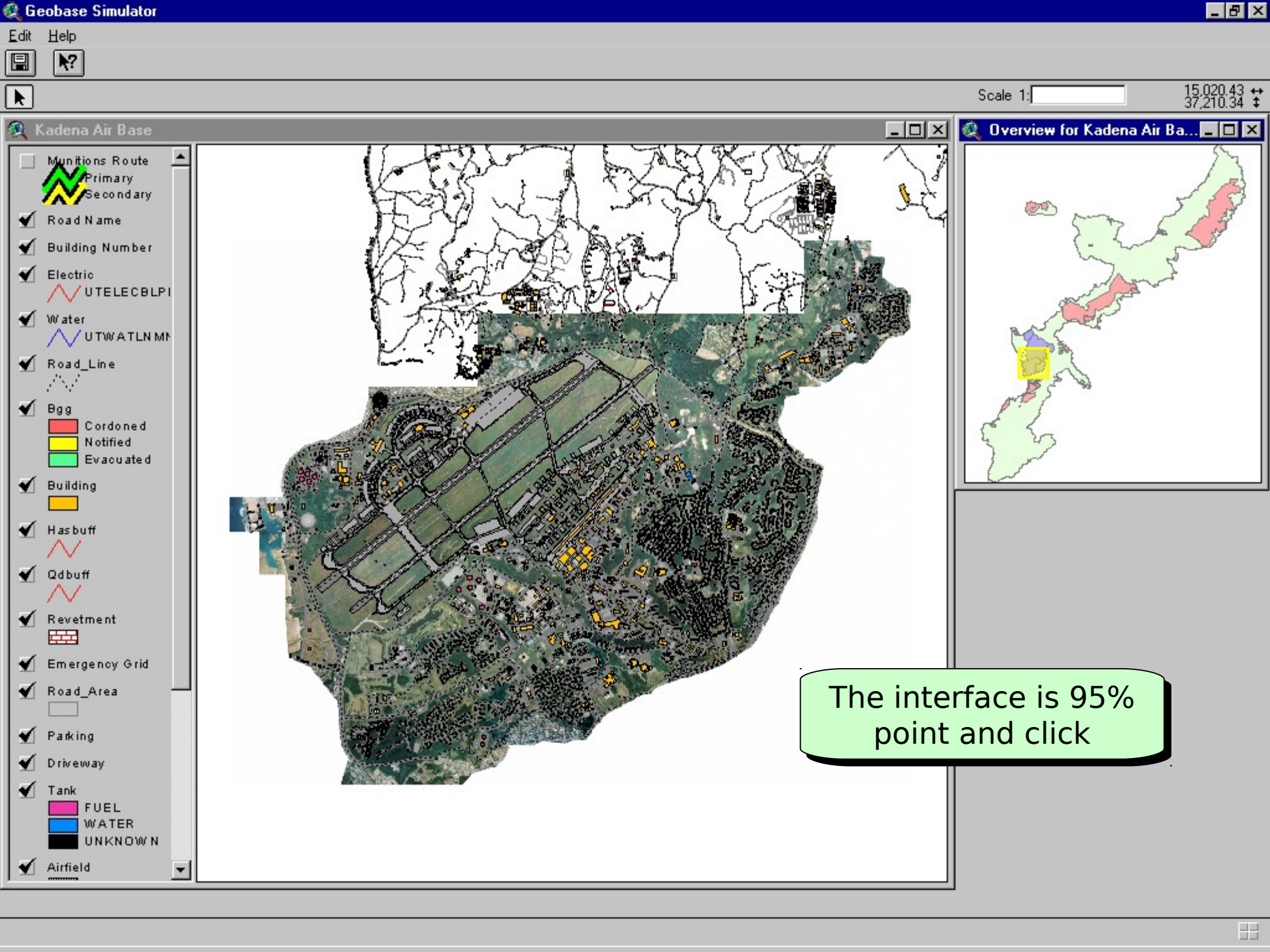
In order to demonstrate some of the unique capabilities of *GeoBase*, we chose two commonly practiced operational scenarios, a bomb threat, and an aircraft accident scenario.

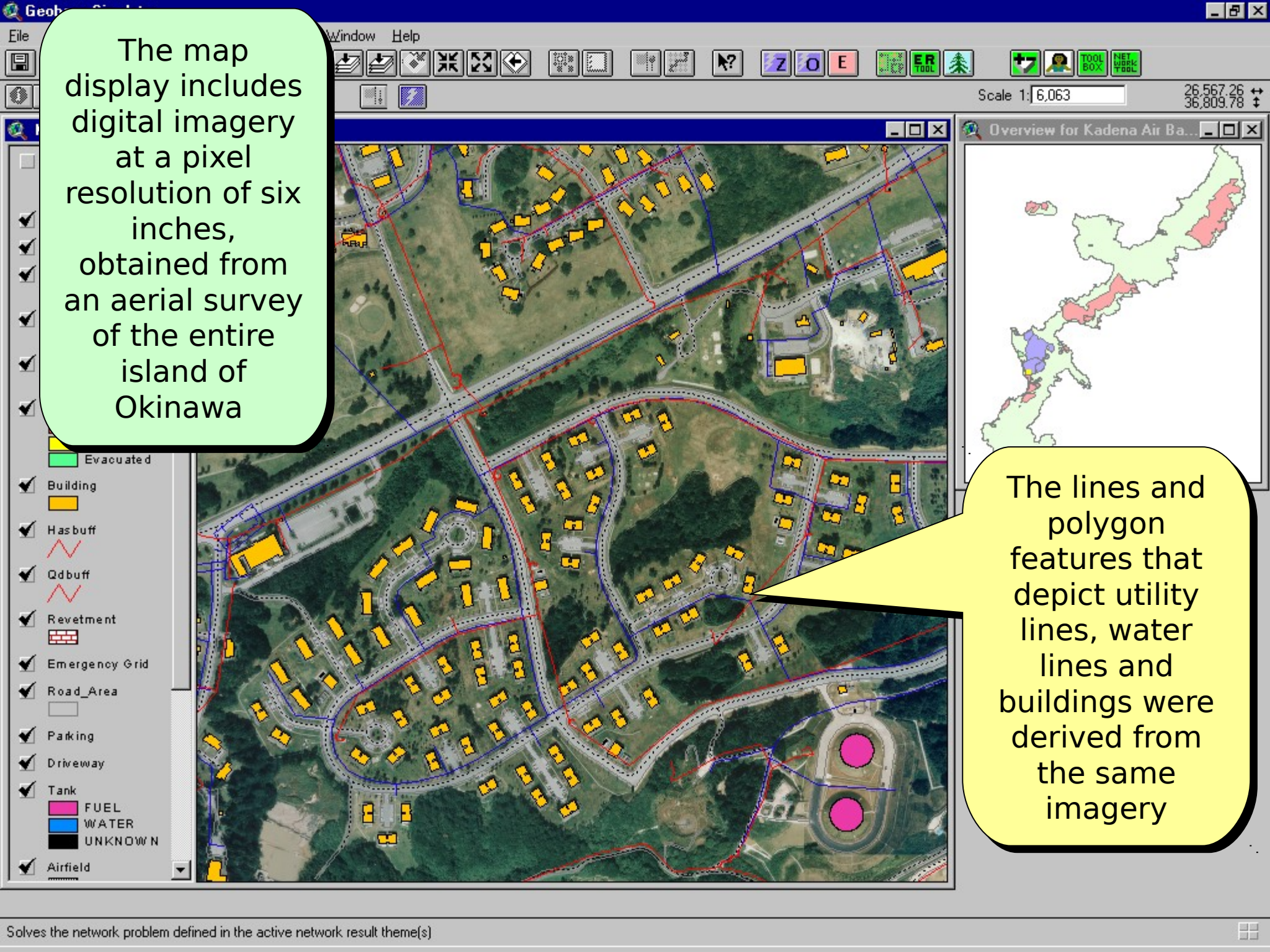
Okinawa was chosen for the crisis location for several reasons. Okinawa contains current, real world operational *GeoBase* datasets and applications that were developed jointly by the Air Force, Army, Marine Corps and Navy. This data was collected as a collaborative initiative to ensure joint interoperability and at this time represents one of the best examples of spatial data standard compliance.

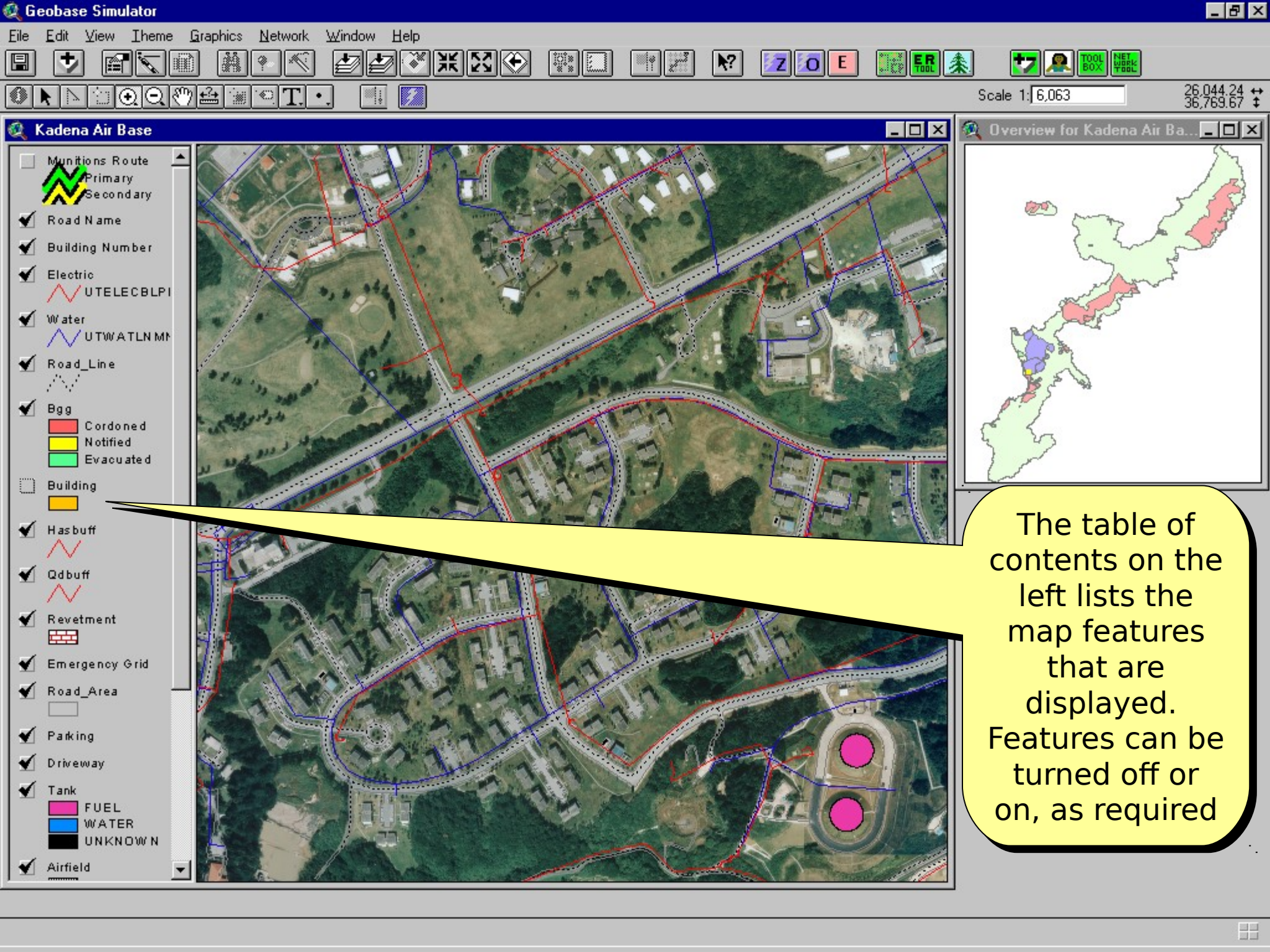
Following is a demonstration of *GeoBase* scenarios. The first scenario takes place at Kadena Air Base.

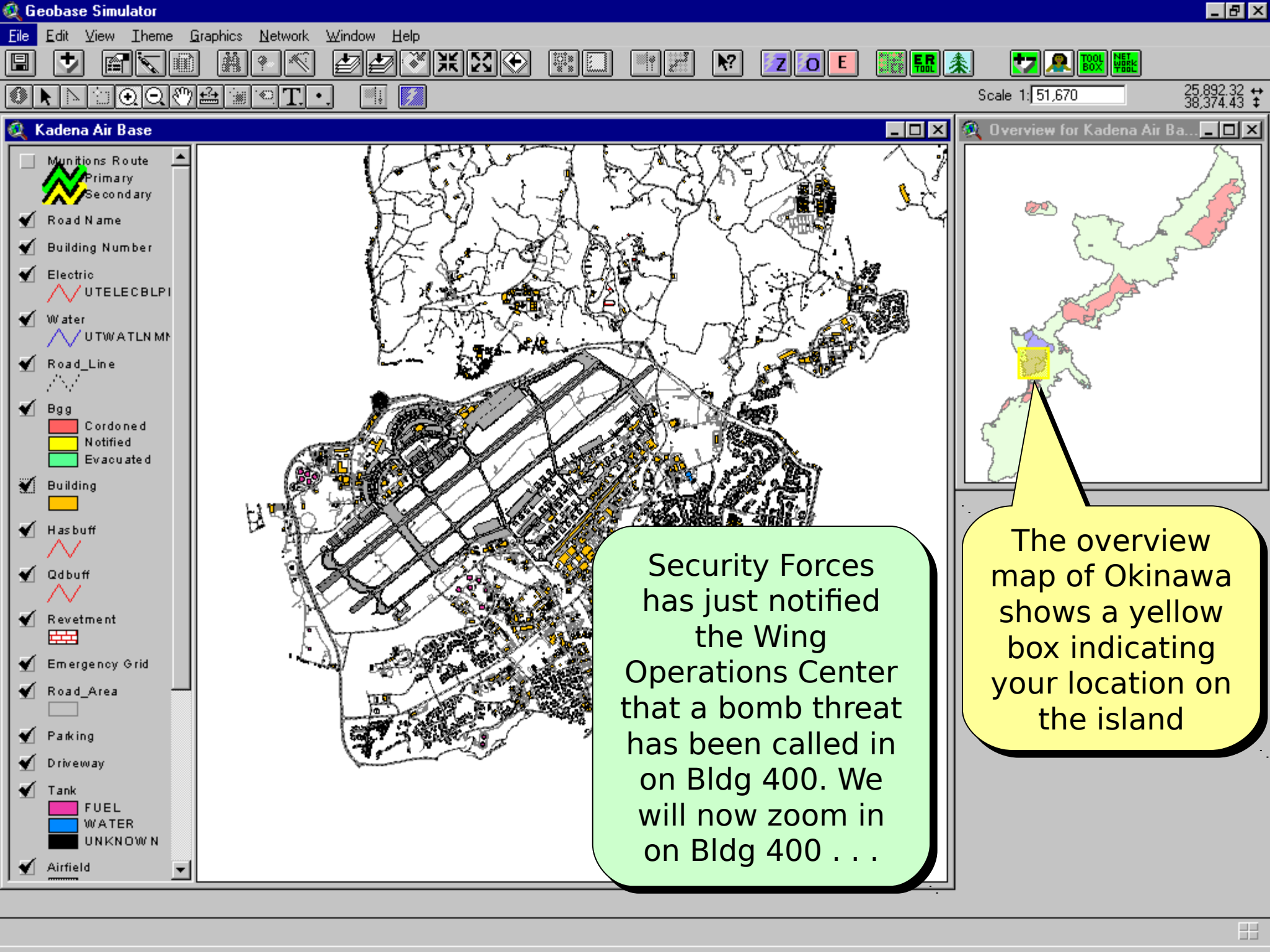


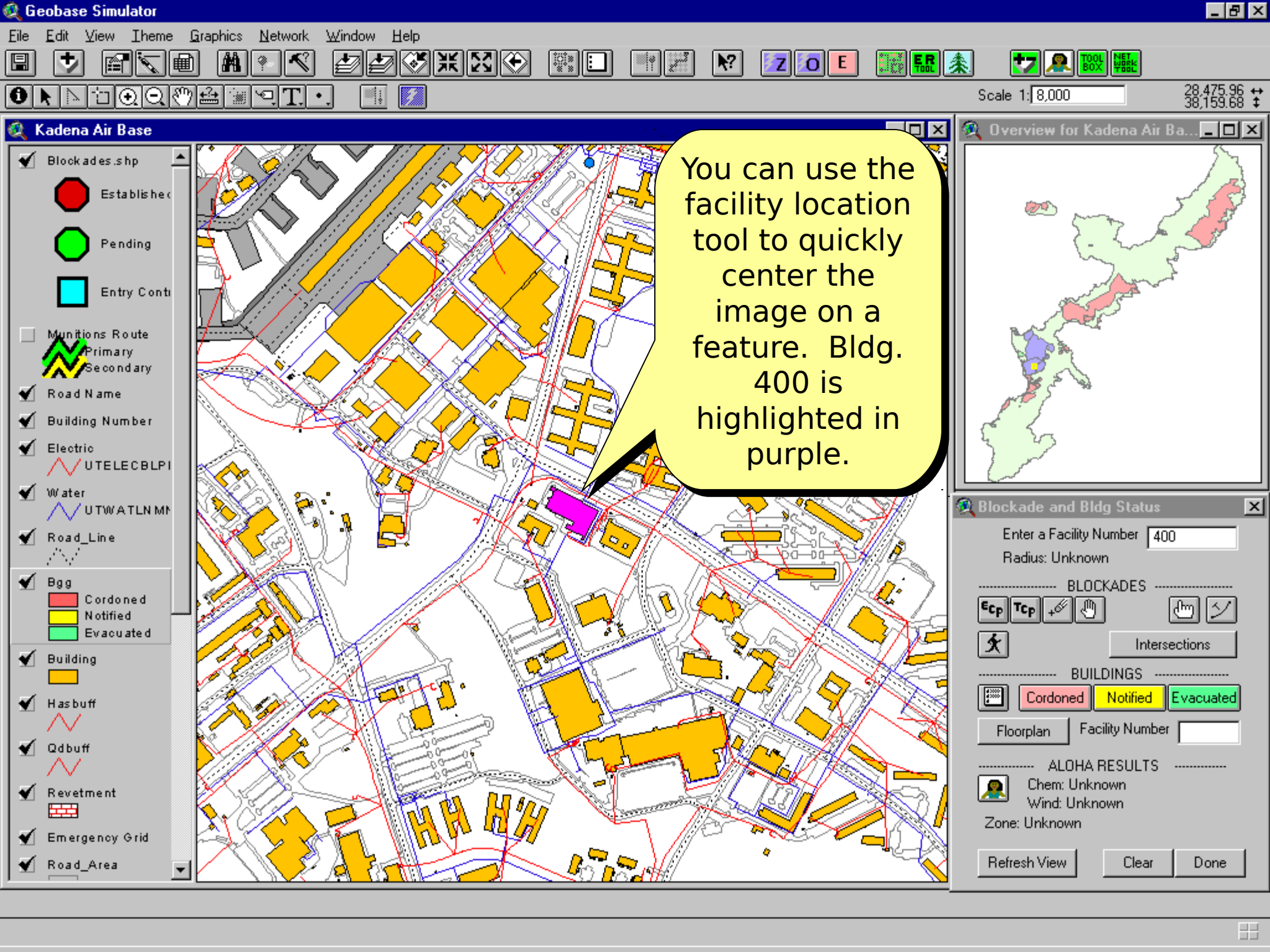
Zoom into Kadena Air Base

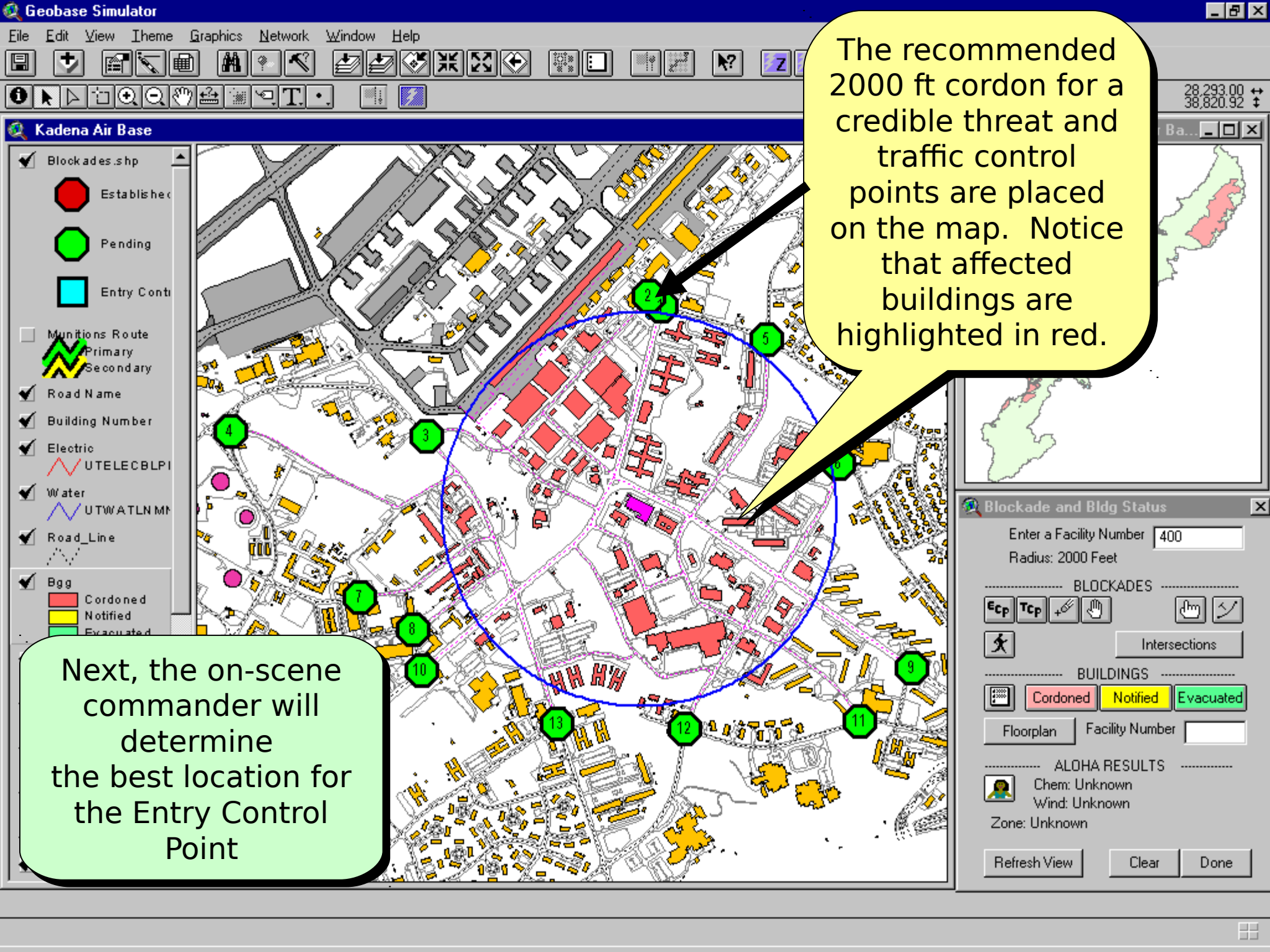

Geobase Simulator
Edit
Help
Scale 1:
15,020.43
37,210.34
Kadena Air Base
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Emergency Grid
Road_Area
Parking
Driveway
Tank
FUEL
WATER
UNKNOWN
Airfield
Overview for Kadena Air Ba...
The interface is 95% point and click

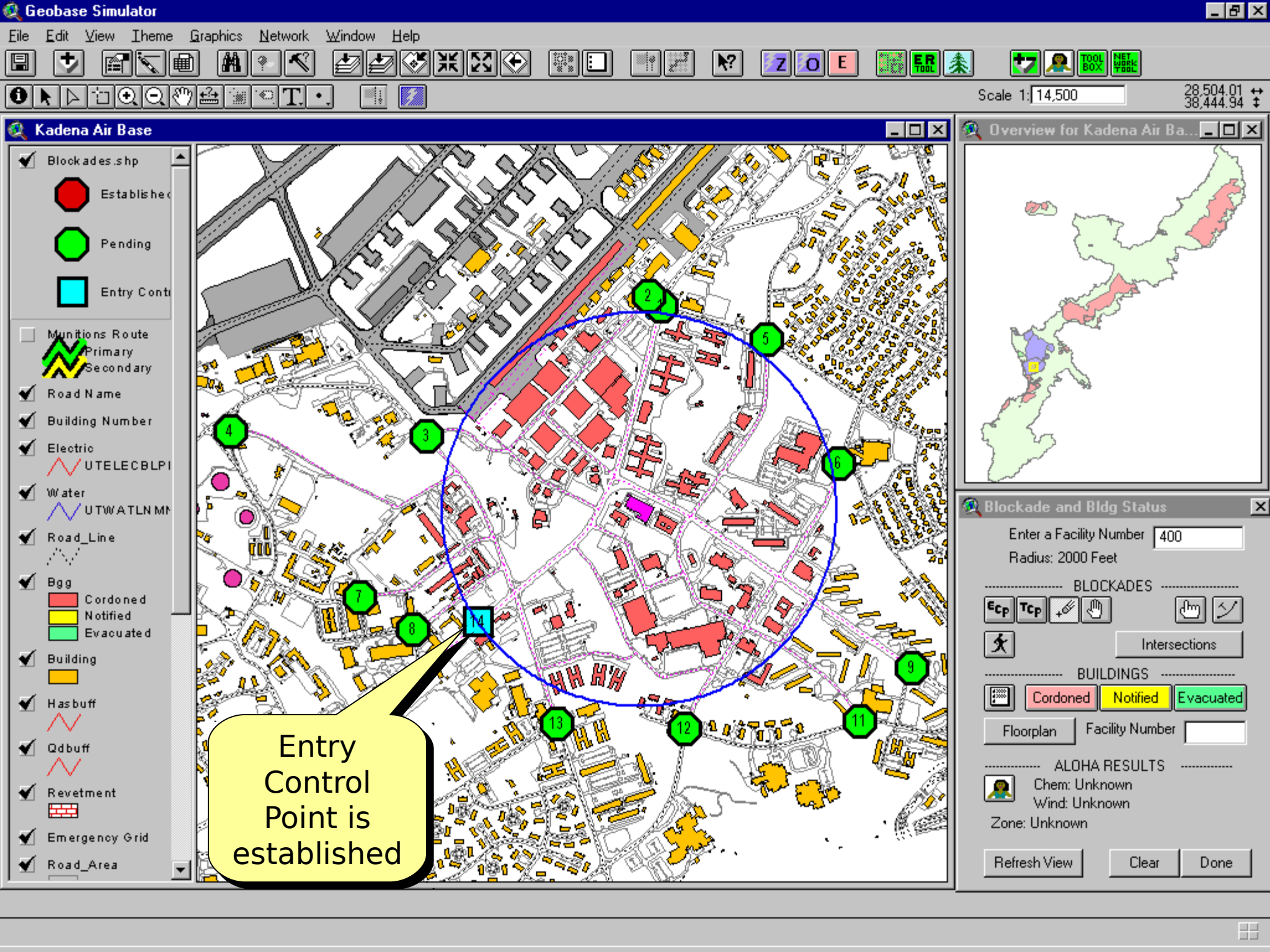

The map display includes digital imagery at a pixel resolution of six inches, obtained from an aerial survey of the entire island of Okinawa
File
Window
Help
Scale 1: 6,063
26,567.26
36,809.78
Overview for Kadena Air Ba...
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Emergency Grid
Road_Area
Parking
Driveway
Tank
FUEL
WATER
UNKNOWN
Airfield
The lines and polygon features that depict utility lines, water lines and buildings were derived from the same imagery
Solves the network problem defined in the active network result theme(s)


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 6,063
26,044.24
36,769.67
Kadena Air Base
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Emergency Grid
Road_Area
Parking
Driveway
Tank
FUEL
WATER
UNKNOWN
Airfield
Overview for Kadena Air Ba...
The table of contents on the left lists the map features that are displayed. Features can be turned off or on, as required


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 51,670
25,892.32
38,374.43
Kadena Air Base
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Emergency Grid
Road_Area
Parking
Driveway
Tank
FUEL
WATER
UNKNOWN
Airfield
Overview for Kadena Air Ba...
Security Forces has just notified the Wing Operations Center that a bomb threat has been called in on Bldg 400. We will now zoom in on Bldg 400 . . .
The overview map of Okinawa shows a yellow box indicating your location on the island


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 8,000
28,475.96
38,159.68
Kadena Air Base
Blockades.shp
Establishec
Pending
Entry Contr
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Emergency Grid
Road_Area
You can use the facility location tool to quickly center the image on a feature. Bldg. 400 is highlighted in purple.
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number
400
Radius: Unknown
BLOCKADES
ECP
TCP
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Kadena Air Base
Blockades.shp
Established
Pending
Entry Contr
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
The recommended 2000 ft cordon for a credible threat and traffic control points are placed on the map. Notice that affected buildings are highlighted in red.
Next, the on-scene commander will determine the best location for the Entry Control Point
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
ECP
TCP
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 14,500
28,504.01
38,444.94
Kadena Air Base
Blockades.shp
Established
Pending
Entry Contr
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Emergency Grid
Road_Area
Entry Control Point is established
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done

Geobase Simulator

BLOCKADE_REPORT.txt - Notepad

File Edit Search Help

```
BLOCKADE INTERSECTION REPORT
============================================================
BLOCKADE   STATUS    -  INTERSECTION
[  ] 1  -  Pending  -  Arnold Avenue and Douglas Boulevard

[  ] 2  -  Pending  -  Arnold Avenue and Roberts Avenue

[  ] 3  -  Pending  -  Fisher Avenue and Schreiber Avenue

[  ] 4  -  Pending  -  Street Names Not Available

[  ] 5  -  Pending  -  Arnold Avenue and Davis Avenue

[  ] 6  -  Pending  -  Vincent Avenue and Walmsley Way

[  ] 7  -  Pending  -  Cheli Street and Doolittle Avenue

[  ] 8  -  Pending  -  Williams Avenue

[  ] 9  -  Pending  -  Club Street and Kuter Boulevard

[  ] 11  -  Pending  -  Beeson Street and Rickenbaker Road

[  ] 12  -  Pending  -  Beeson Street and Vincent Avenue

[  ] 13  -  Pending  -  Adams Avenue and Schreiber Avenue

[  ] 14  -  Entry Control Point  -  Douglas Boulevard
```

Security Forces can use a blockade report to track the status of the TCP's

Scale 1: 14,500

28,369.73
36,987.05

Overview for Kadena Air Ba...

Blockade and Bldg Status

Enter a Facility Number 400

Radius: 2000 Feet

BLOCKADES

ECP TCP

Intersections

BUILDINGS

Cordoned Notified Evacuated

Floorplan Facility Number

ALOHA RESULTS

Chem: Unknown
Wind: Unknown
Zone: Unknown

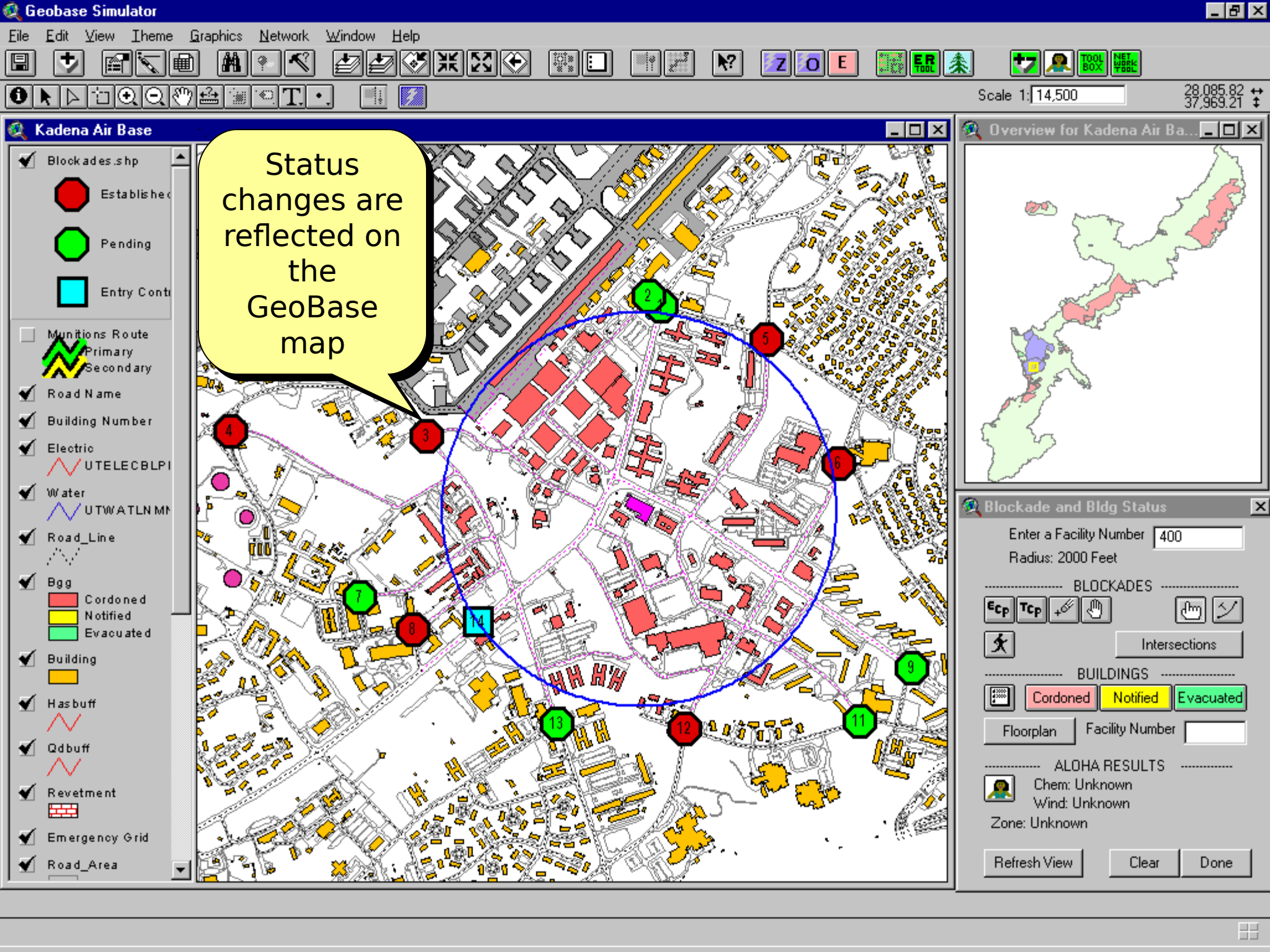
Refresh View Clear Done

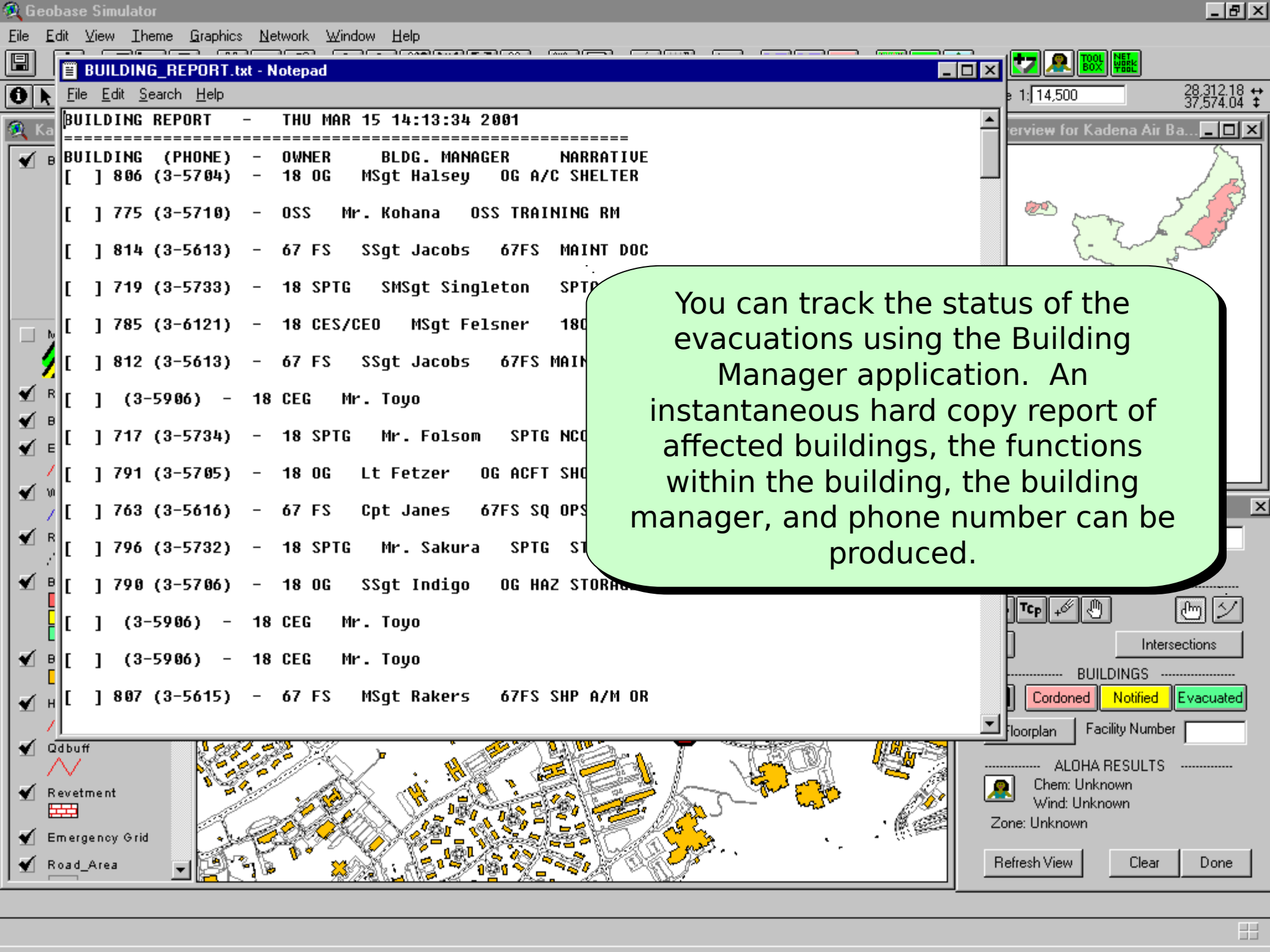
Qdbuff

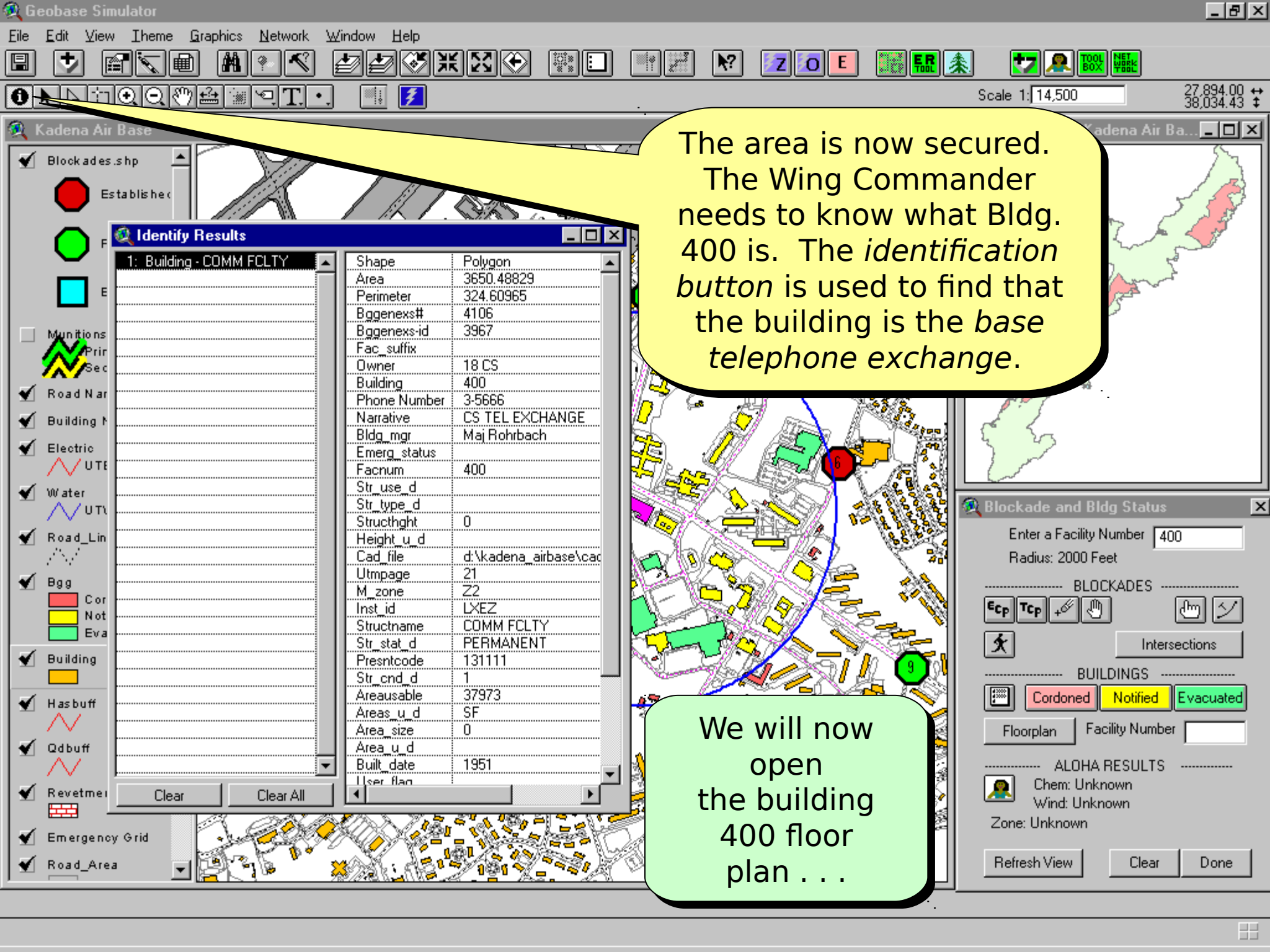
Revetment

Emergency Grid

Road_Area


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 14,500
28,085.82
37,969.21
Kadena Air Base
Status changes are reflected on the GeoBase map
Blockades.shp
Established
Pending
Entry Contr
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Emergency Grid
Road_Area
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done


Geobase Simulator
File Edit View Theme Graphics Network Window Help
BUILDING_REPORT.txt - Notepad
File Edit Search Help
BUILDING REPORT - THU MAR 15 14:13:34 2001
BUILDING (PHONE) - OWNER BLDG. MANAGER NARRATIVE
[ ] 806 (3-5704) - 18 OG MSgt Halsey OG A/C SHELTER
[ ] 775 (3-5710) - OSS Mr. Kohana OSS TRAINING RM
[ ] 814 (3-5613) - 67 FS SSgt Jacobs 67FS MAINT DOC
[ ] 719 (3-5733) - 18 SPTG SMSgt Singleton
[ ] 785 (3-6121) - 18 CES/CEO MSgt Felsner
[ ] 812 (3-5613) - 67 FS SSgt Jacobs 67FS
[ ] (3-5906) - 18 CEG Mr. Toyo
[ ] 717 (3-5734) - 18 SPTG Mr. Folsom SPTG
[ ] 791 (3-5705) - 18 OG Lt Fetzer OG
[ ] 763 (3-5616) - 67 FS Cpt Janes 67FS SQ
[ ] 796 (3-5732) - 18 SPTG Mr. Sakura SPTG
[ ] 790 (3-5706) - 18 OG SSgt Indigo OG HAZ
[ ] (3-5906) - 18 CEG Mr. Toyo
[ ] (3-5906) - 18 CEG Mr. Toyo
[ ] 807 (3-5615) - 67 FS MSgt Rakers 67FS SHP A/M OR
You can track the status of the evacuations using the Building Manager application. An instantaneous hard copy report of affected buildings, the functions within the building, the building manager, and phone number can be produced.
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done
Qdbuff
Revetment
Emergency Grid
Road_Area


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 14,500
Kadena Air Base
Blockades.shp
Identify Results
1: Building - COMM FCLTY
Shape Polygon
Area 3650.48829
Perimeter 324.60965
Bggenexs# 4106
Bggenexs-id 3967
Fac_suffix
Owner 18 CS
Building 400
Phone Number 3-5666
Narrative CS TEL EXCHANGE
Bldg_mgr Maj Rohrbach
Emerg_status
Facnum 400
Str_use_d
Str_type_d
Structhght 0
Height_u_d
Cad_file d:\kadena_airbase\cad
Utmpage 21
M_zone 22
Inst_id LXEZ
Structname COMM FCLTY
Str_stat_d PERMANENT
Presntcode 131111
Str_cnd_d 1
Areausable 37973
Areas_u_d SF
Area_size 0
Area_u_d
Built_date 1951
Clear
Clear All
Blockade and Bldg Status
Enter a Facility Number 400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done
The area is now secured. The Wing Commander needs to know what Bldg. 400 is. The identification button is used to find that the building is the base telephone exchange.
We will now open the building 400 floor plan . . .

Geobase Simulator

File Edit View Theme Graphics Network Window Help

Scale 1:

10,048.66
10,116.71

Floorplans for Building #400

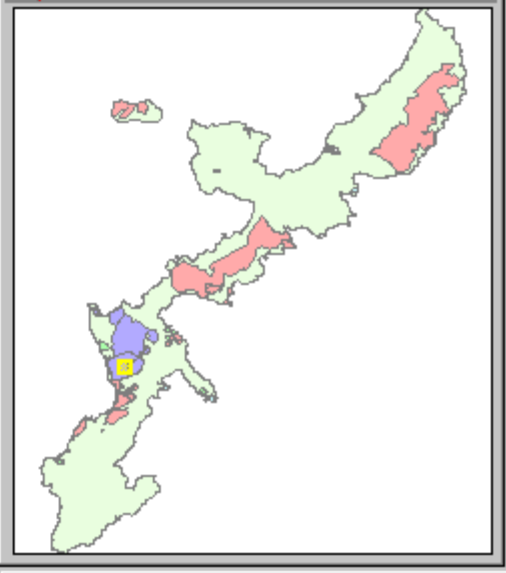
Evac Routes Bldg.

Building 400 Annota

Building 400 Floorp

HazMat Bldg. 400

Overview for Kadena Air Ba...



Blockade and Bldg Status

Enter a Facility Number 400

Radius: 2000 Feet

BLOCKADES

Intersections

BUILDINGS

Cordoned Notified Evacuated

Floorplan Facility Number

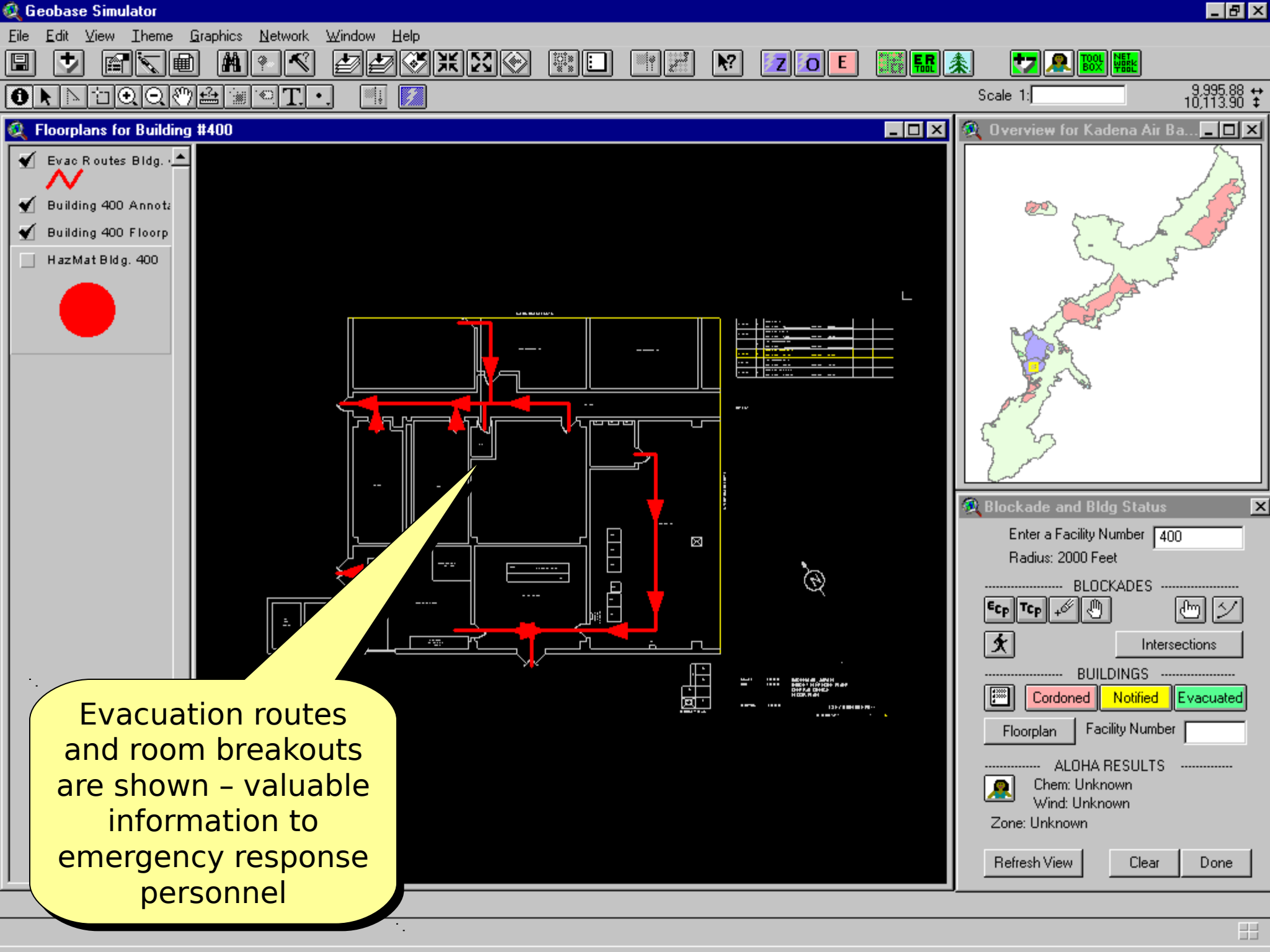
ALOHA RESULTS

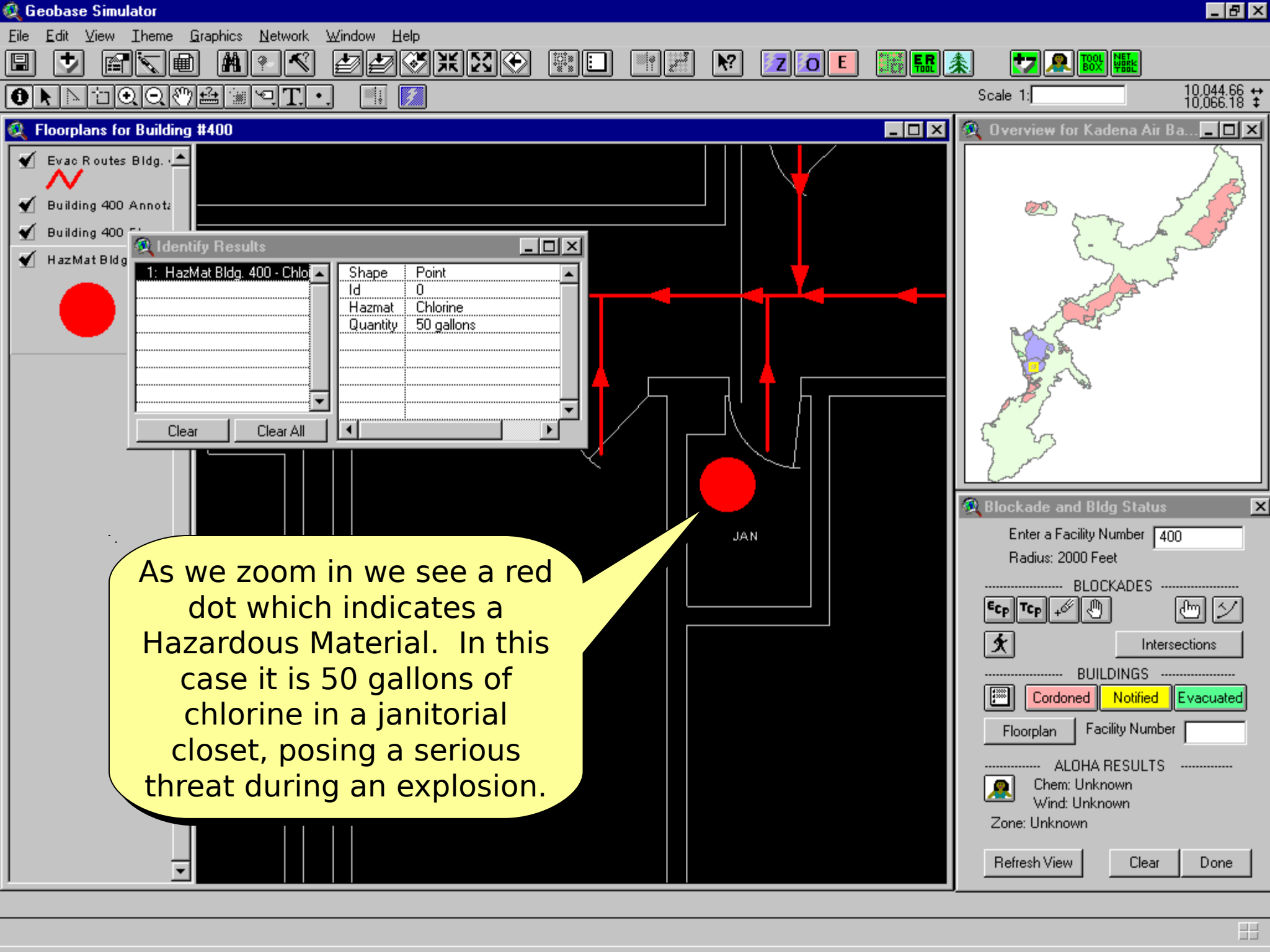
Chem: Unknown

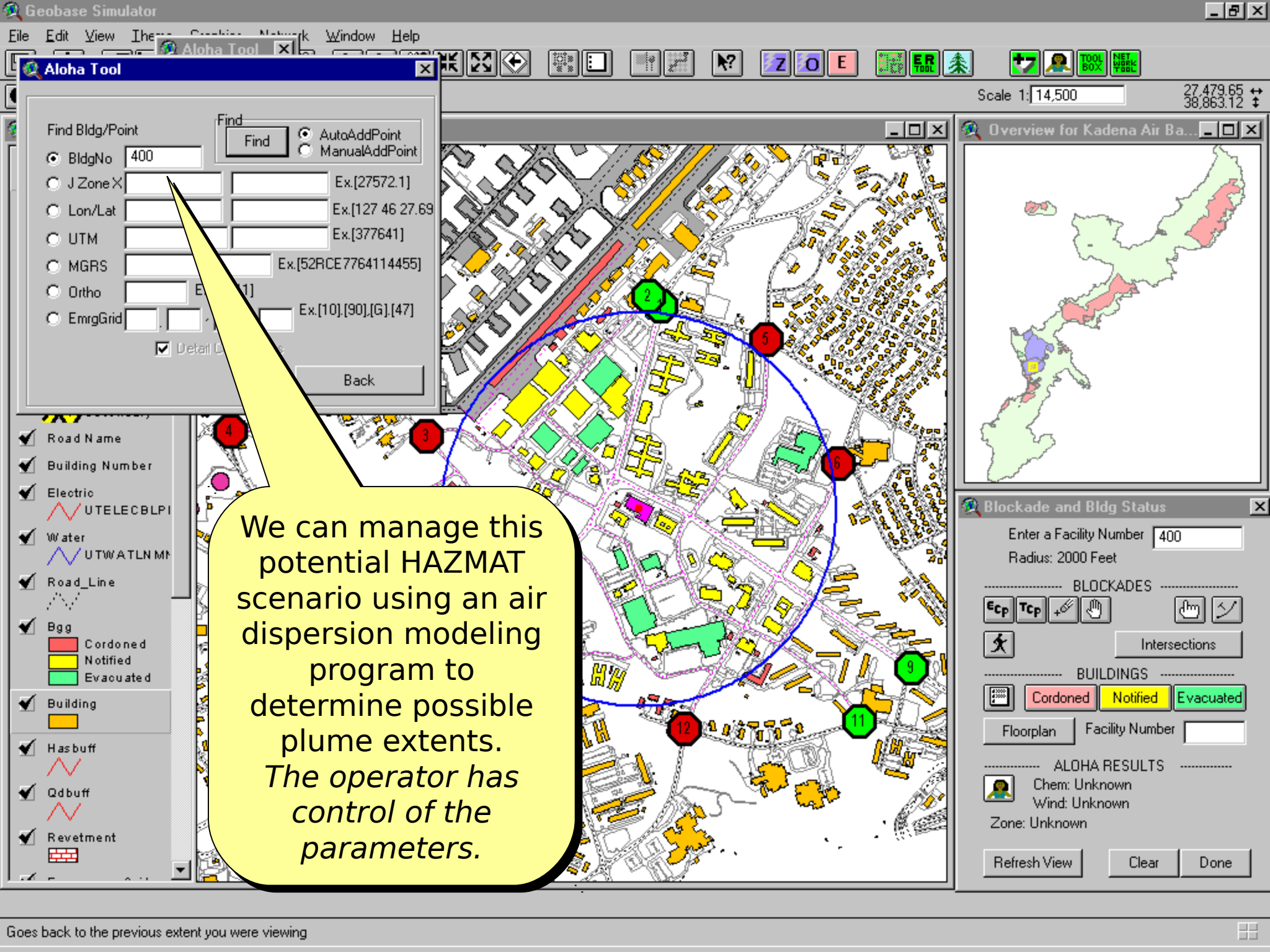
Wind: Unknown

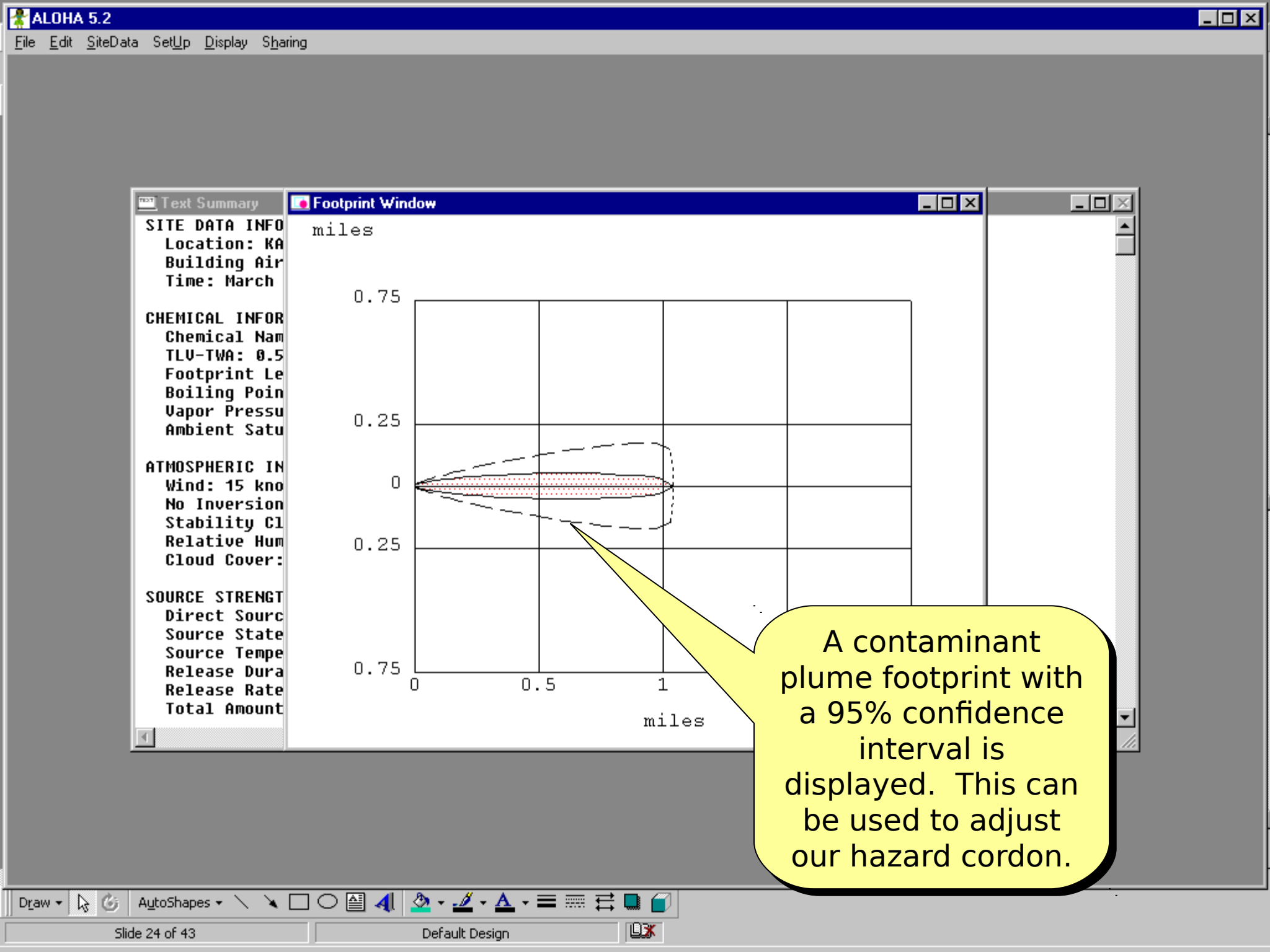
Zone: Unknown

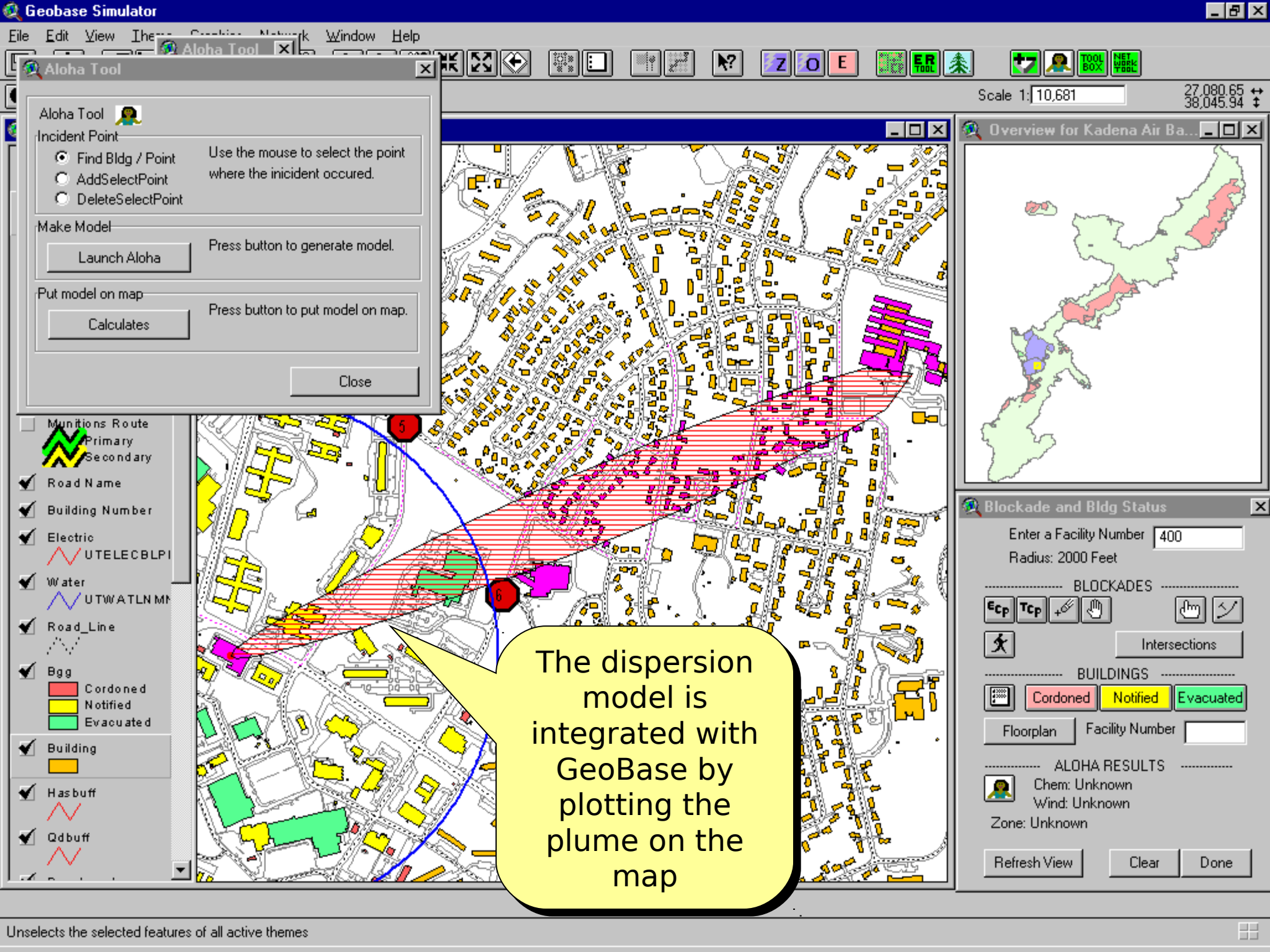
Refresh View Clear Done

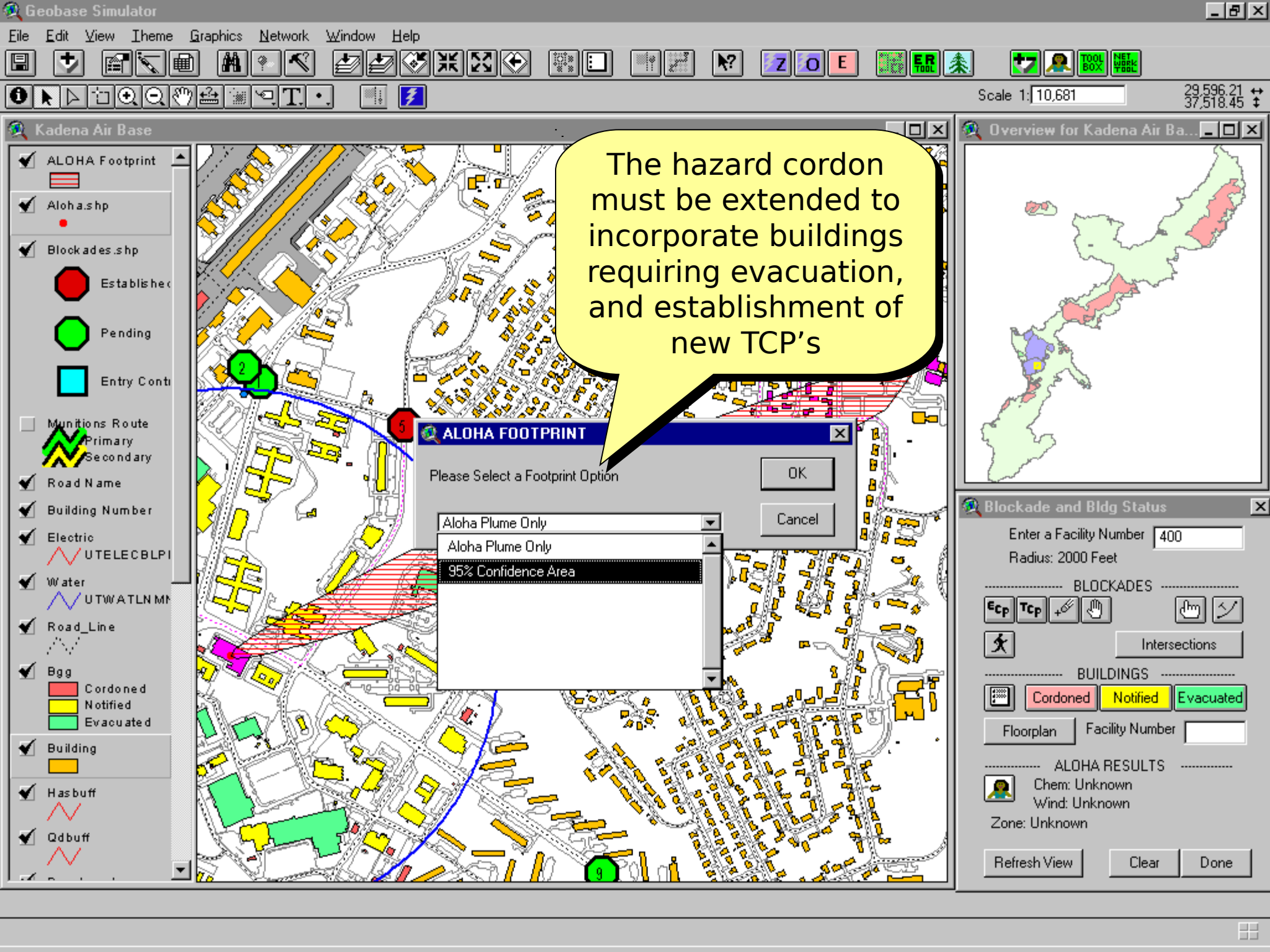

Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1:
9,995.88
10,113.90
Floorplans for Building #400
Evac Routes Bldg.
Building 400 Annota
Building 400 Floorp
HazMat Bldg. 400
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done
Evacuation routes and room breakouts are shown – valuable information to emergency response personnel

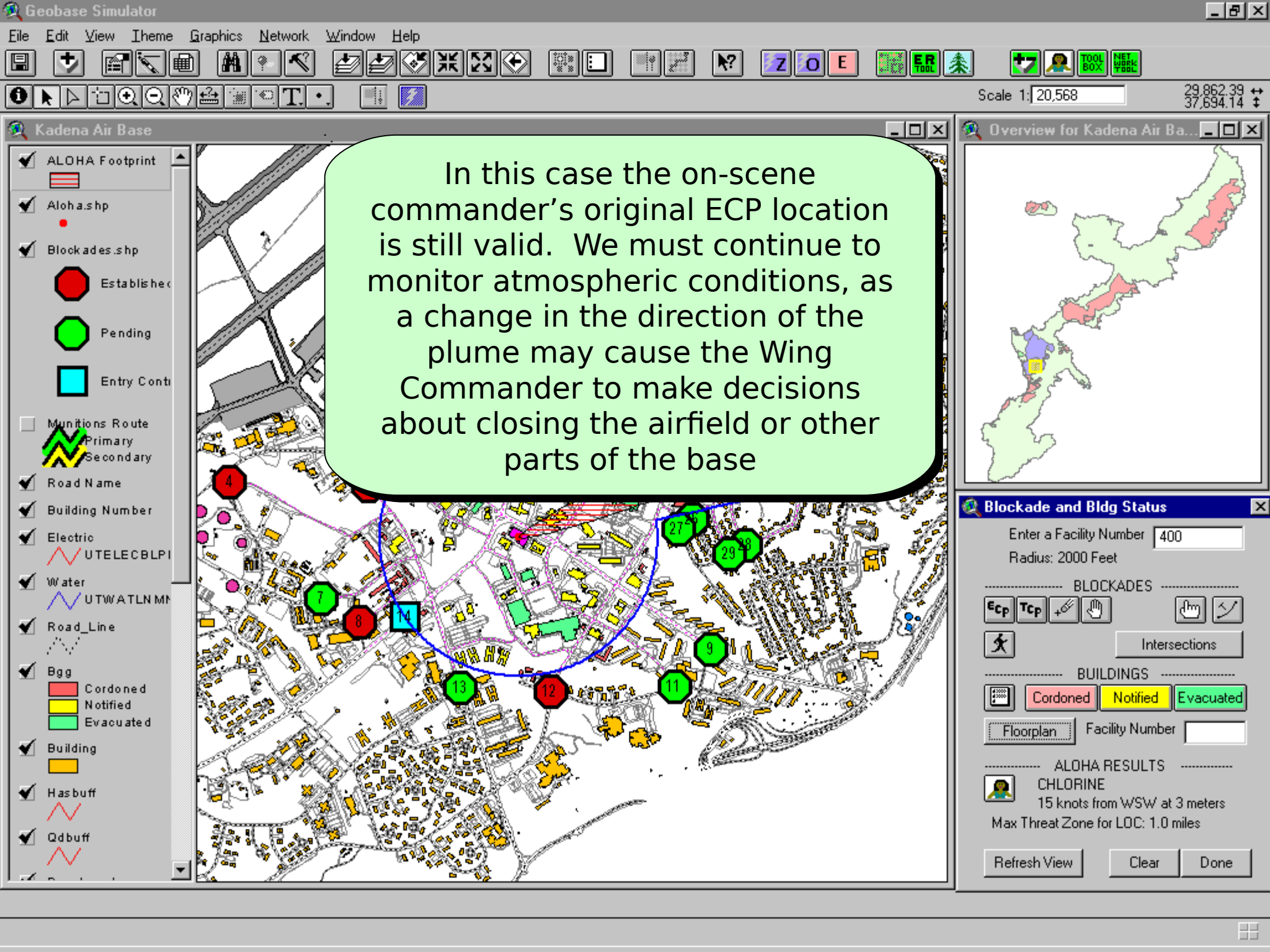

Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1:
10,044.66
10,066.18
Floorplans for Building #400
Evac Routes Bldg.
Building 400 Annota
Building 400
HazMat Bldg
Identify Results
1: HazMat Bldg. 400 - Chlo
Shape Point
Id 0
Hazmat Chlorine
Quantity 50 gallons
Clear
Clear All
JAN
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number 400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done
As we zoom in we see a red dot which indicates a Hazardous Material. In this case it is 50 gallons of chlorine in a janitorial closet, posing a serious threat during an explosion.

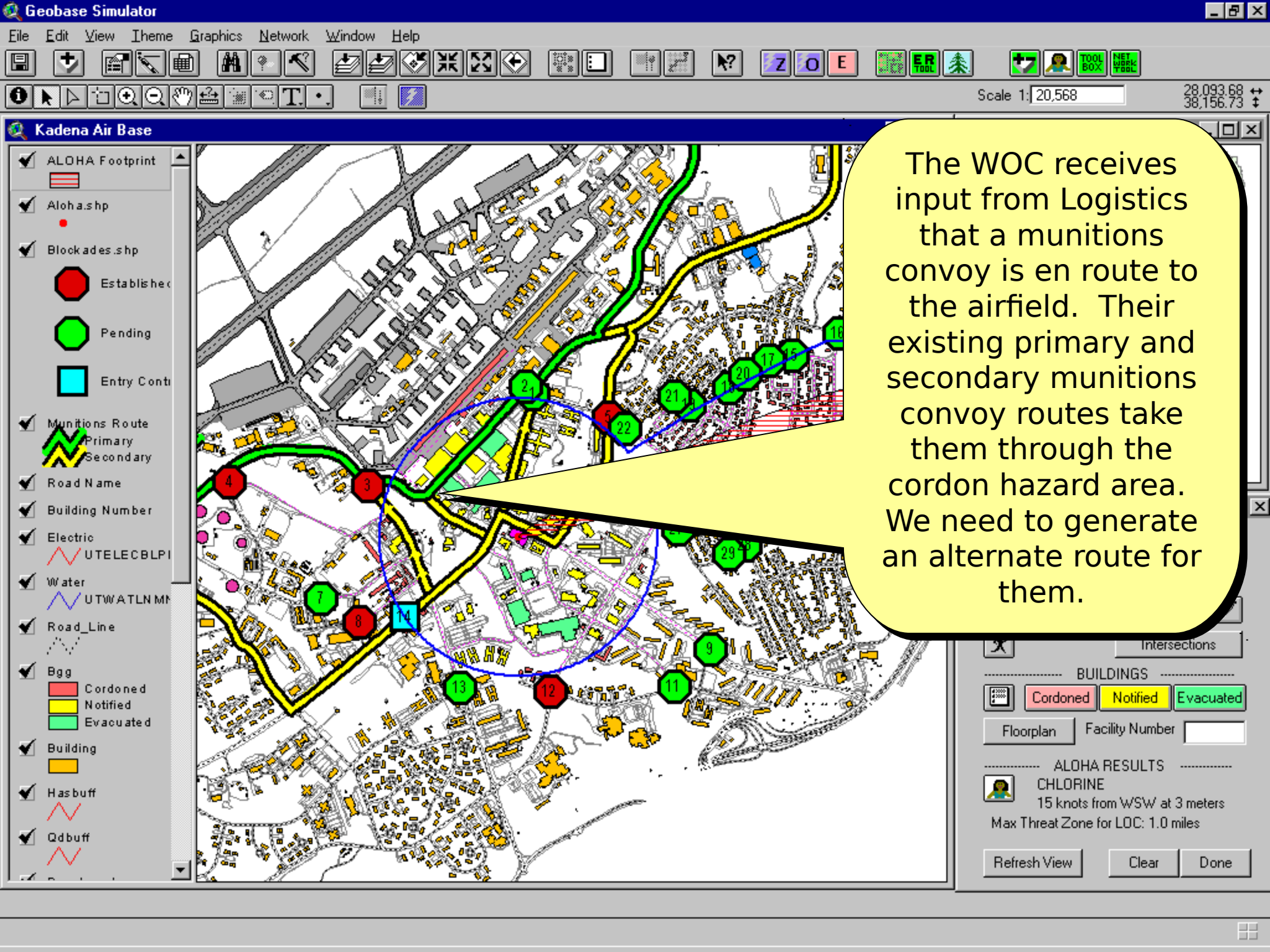

Geobase Simulator
File Edit View Theme Graphics Network Window Help
Aloha Tool
Find Bldg/Point
Find
AutoAddPoint
ManualAddPoint
BldgNo 400
J Zone X
Lon/Lat
UTM
MGRS
Ortho
EmrgGrid
Ex.[27572.1]
Ex.[127 46 27.69
Ex.[377641]
Ex.[52RCE7764114455]
Ex.[10],[90],[G],[47]
Back
Scale 1: 14,500
27,479.65
38,863.12
Overview for Kadena Air Ba...
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Revetment
Blockade and Bldg Status
Enter a Facility Number 400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done
We can manage this potential HAZMAT scenario using an air dispersion modeling program to determine possible plume extents.
The operator has control of the parameters.
Goes back to the previous extent you were viewing

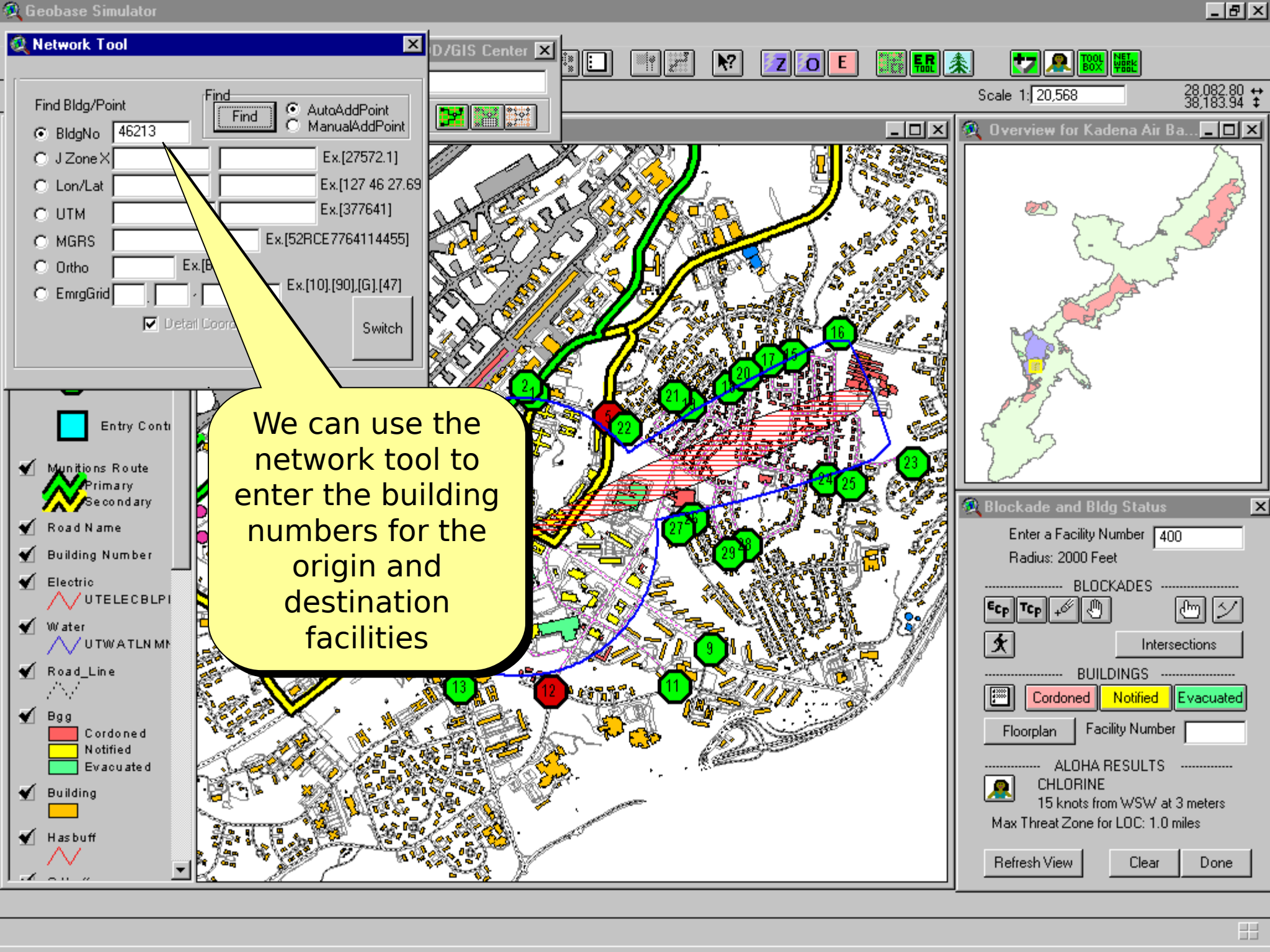

ALOHA 5.2
File Edit SiteData SetUp Display Sharing
Text Summary
SITE DATA INFO
Location: KA
Building Air
Time: March
CHEMICAL INFOR
Chemical Nam
TLV-TWA: 0.5
Footprint Le
Boiling Poin
Vapor Pressu
Ambient Satu
ATMOSPHERIC IN
Wind: 15 kno
No Inversion
Stability Cl
Relative Hum
Cloud Cover:
SOURCE STRENGT
Direct Sourc
Source State
Source Tempe
Release Dura
Release Rate
Total Amount
Footprint Window
miles
0.75
0.25
0
0.25
0.75
0
0.5
1
miles
A contaminant plume footprint with a 95% confidence interval is displayed. This can be used to adjust our hazard cordon.
Draw
AutoShapes
Slide 24 of 43
Default Design

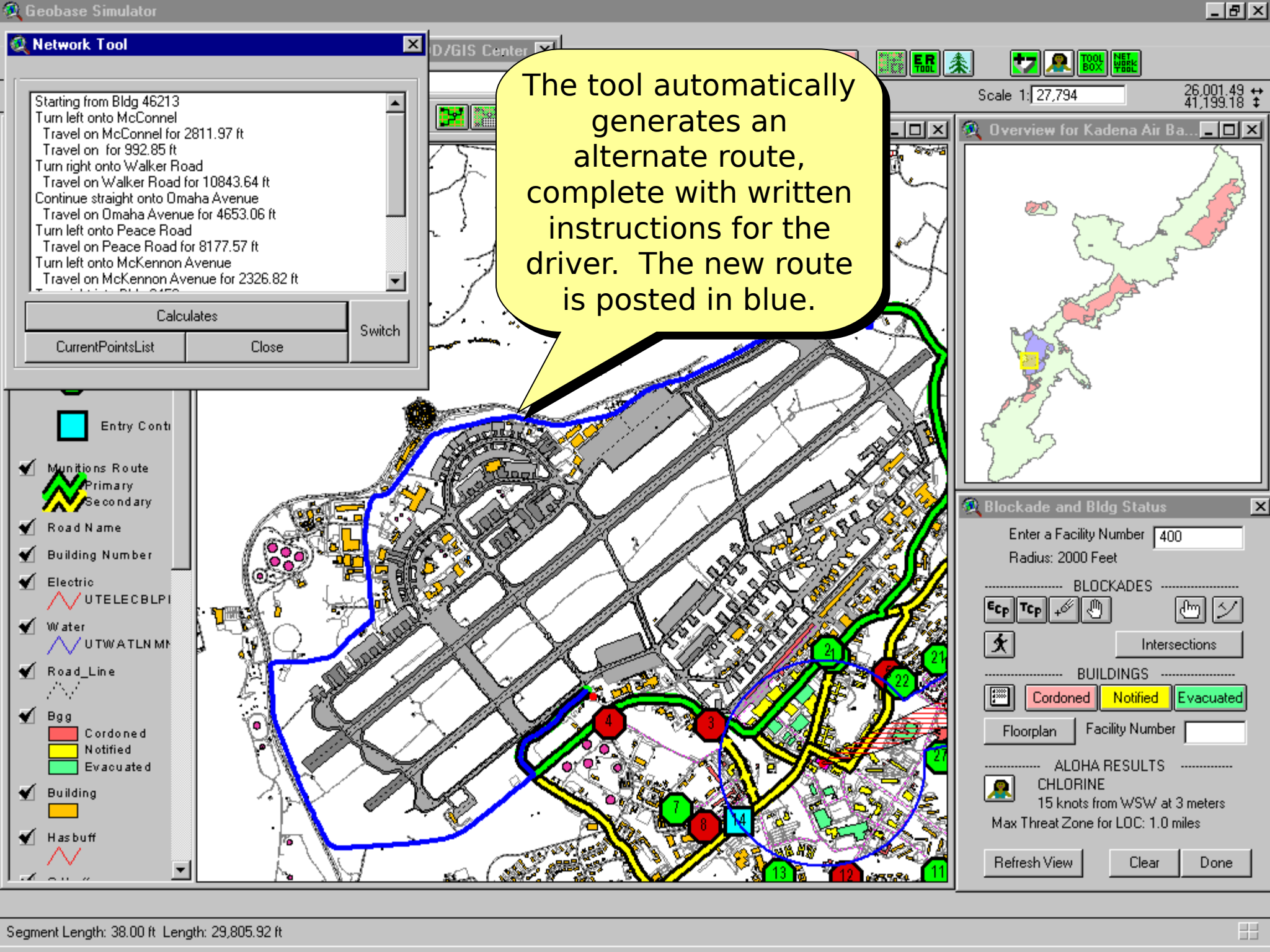

Geobase Simulator
File Edit View Theme Graphics Network Window Help
Aloha Tool
Aloha Tool
Incident Point
Find Bldg / Point
AddSelectPoint
DeleteSelectPoint
Use the mouse to select the point where the inicident occured.
Make Model
Launch Aloha
Press button to generate model.
Put model on map
Calculates
Press button to put model on map.
Close
Scale 1: 10,681
27,080.65
38,045.94
Overview for Kadena Air Ba...
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done
The dispersion model is integrated with GeoBase by plotting the plume on the map
Unselects the selected features of all active themes


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 10,681
29,596.21
37,518.45
Kadena Air Base
ALOHA Footprint
Aloha.shp
Blockades.shp
Establishec
Pending
Entry Conti
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
The hazard cordon must be extended to incorporate buildings requiring evacuation, and establishment of new TCP's
ALOHA FOOTPRINT
Please Select a Footprint Option
OK
Cancel
Aloha Plume Only
Aloha Plume Only
95% Confidence Area
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
Chem: Unknown
Wind: Unknown
Zone: Unknown
Refresh View
Clear
Done


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 20,568
29,862.39
37,694.14
Kadena Air Base
ALOHA Footprint
Aloha.shp
Blockades.shp
Establishec
Pending
Entry Conti
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
In this case the on-scene commander's original ECP location is still valid. We must continue to monitor atmospheric conditions, as a change in the direction of the plume may cause the Wing Commander to make decisions about closing the airfield or other parts of the base
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number 400
Radius: 2000 Feet
BLOCKADES
ECP
TCP
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
CHLORINE
15 knots from WSW at 3 meters
Max Threat Zone for LOC: 1.0 miles
Refresh View
Clear
Done


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 20,568
28,093.68
38,156.73
Kadena Air Base
ALOHA Footprint
Aloha.shp
Blockades.shp
Established
Pending
Entry Contr
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Qdbuff
The WOC receives input from Logistics that a munitions convoy is en route to the airfield. Their existing primary and secondary munitions convoy routes take them through the cordon hazard area. We need to generate an alternate route for them.
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
CHLORINE
15 knots from WSW at 3 meters
Max Threat Zone for LOC: 1.0 miles
Refresh View
Clear
Done

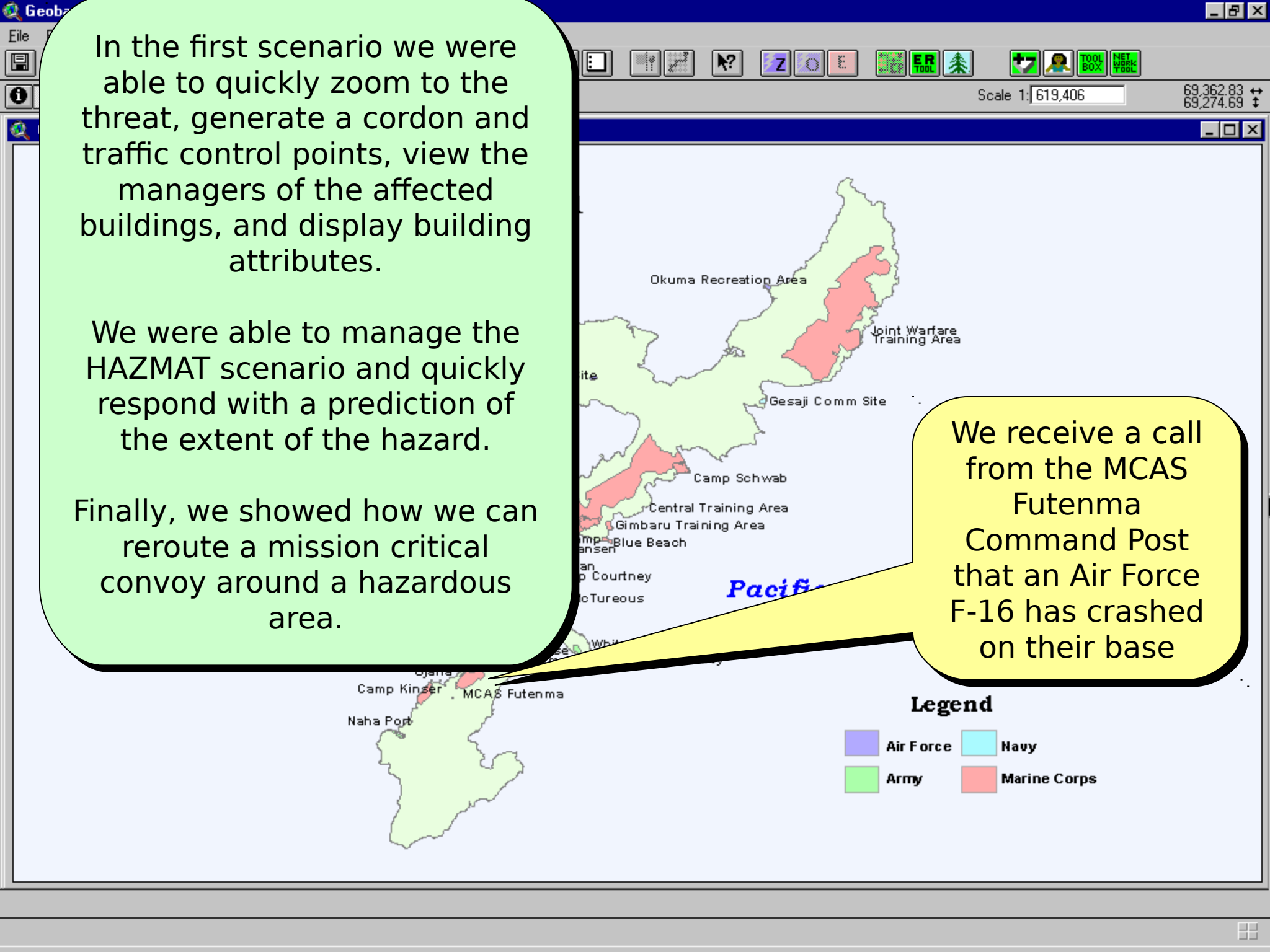

Geobase Simulator
Network Tool
Find Bldg/Point
Find
AutoAddPoint
ManualAddPoint
BldgNo
46213
J Zone X
Lon/Lat
UTM
MGRS
Ortho
EmrgGrid
Ex.[27572.1]
Ex.[127 46 27.69
Ex.[377641]
Ex.[52RCE7764114455]
Ex.[10].[90].[G].[47]
Switch
Scale 1: 20,568
28,082.80
38,183.94
Overview for Kadena Air Ba...
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
CHLORINE
15 knots from WSW at 3 meters
Max Threat Zone for LOC: 1.0 miles
Refresh View
Clear
Done
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
Water
Road_Line
Bgg
Building
Hasbuff
We can use the network tool to enter the building numbers for the origin and destination facilities


Geobase Simulator
Network Tool
Starting from Bldg 46213
Turn left onto McConnel
Travel on McConnel for 2811.97 ft
Travel on for 992.85 ft
Turn right onto Walker Road
Travel on Walker Road for 10843.64 ft
Continue straight onto Omaha Avenue
Travel on Omaha Avenue for 4653.06 ft
Turn left onto Peace Road
Travel on Peace Road for 8177.57 ft
Turn left onto McKennon Avenue
Travel on McKennon Avenue for 2326.82 ft
Calculates
Switch
CurrentPointsList
Close
The tool automatically generates an alternate route, complete with written instructions for the driver. The new route is posted in blue.
Scale 1: 27,794
26,001.49
41,199.18
Overview for Kadena Air Ba...
Entry Contr
Munitions Route
Primary
Secondary
Road Name
Building Number
Electric
UTELECBLPI
Water
UTWATLNMN
Road_Line
Bgg
Cordoned
Notified
Evacuated
Building
Hasbuff
Blockade and Bldg Status
Enter a Facility Number
400
Radius: 2000 Feet
BLOCKADES
Intersections
BUILDINGS
Cordoned
Notified
Evacuated
Floorplan
Facility Number
ALOHA RESULTS
CHLORINE
15 knots from WSW at 3 meters
Max Threat Zone for LOC: 1.0 miles
Refresh View
Clear
Done
Segment Length: 38.00 ft Length: 29,805.92 ft

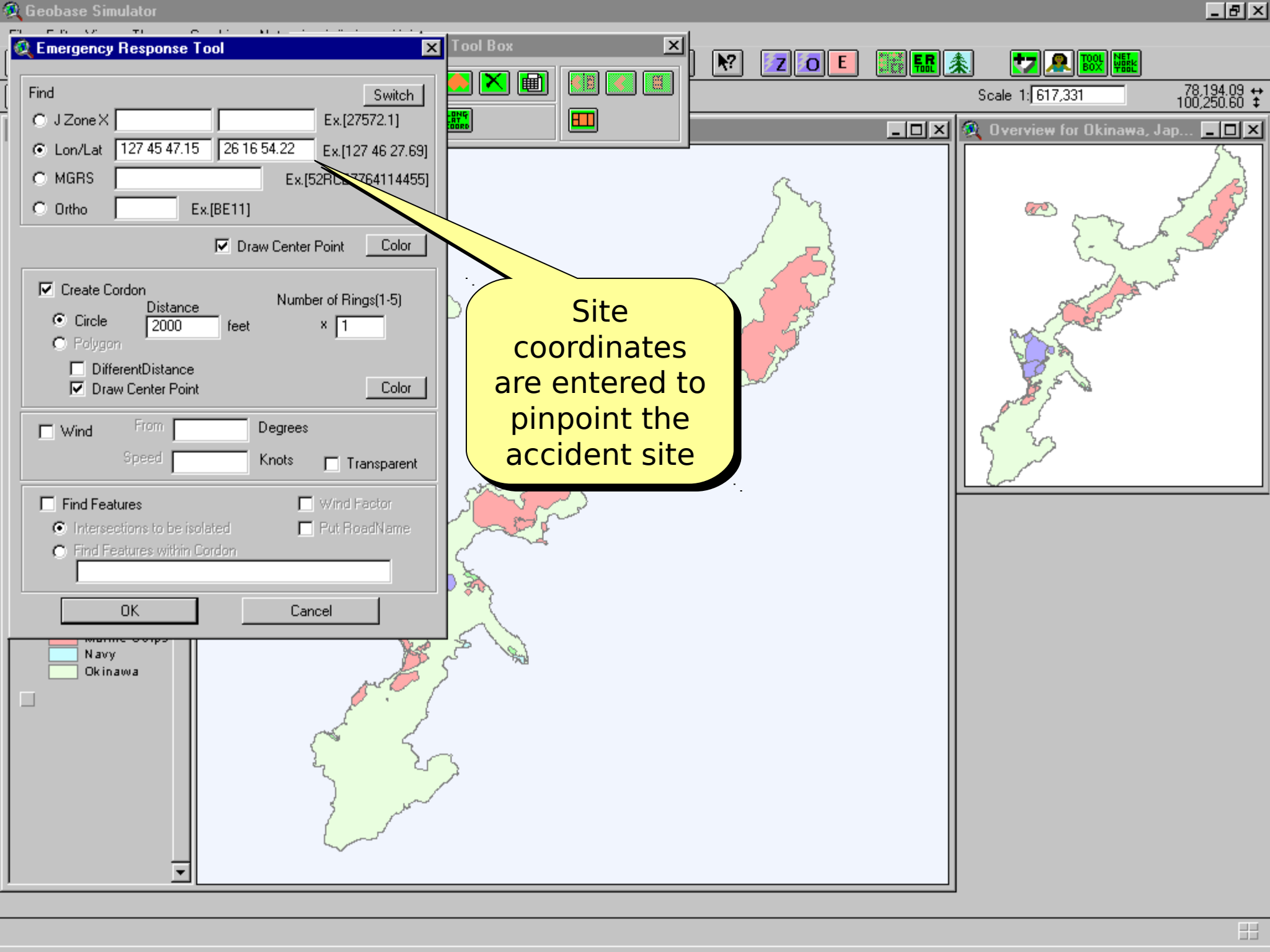
In the first scenario we were able to quickly zoom to the threat, generate a cordon and traffic control points, view the managers of the affected buildings, and display building attributes.

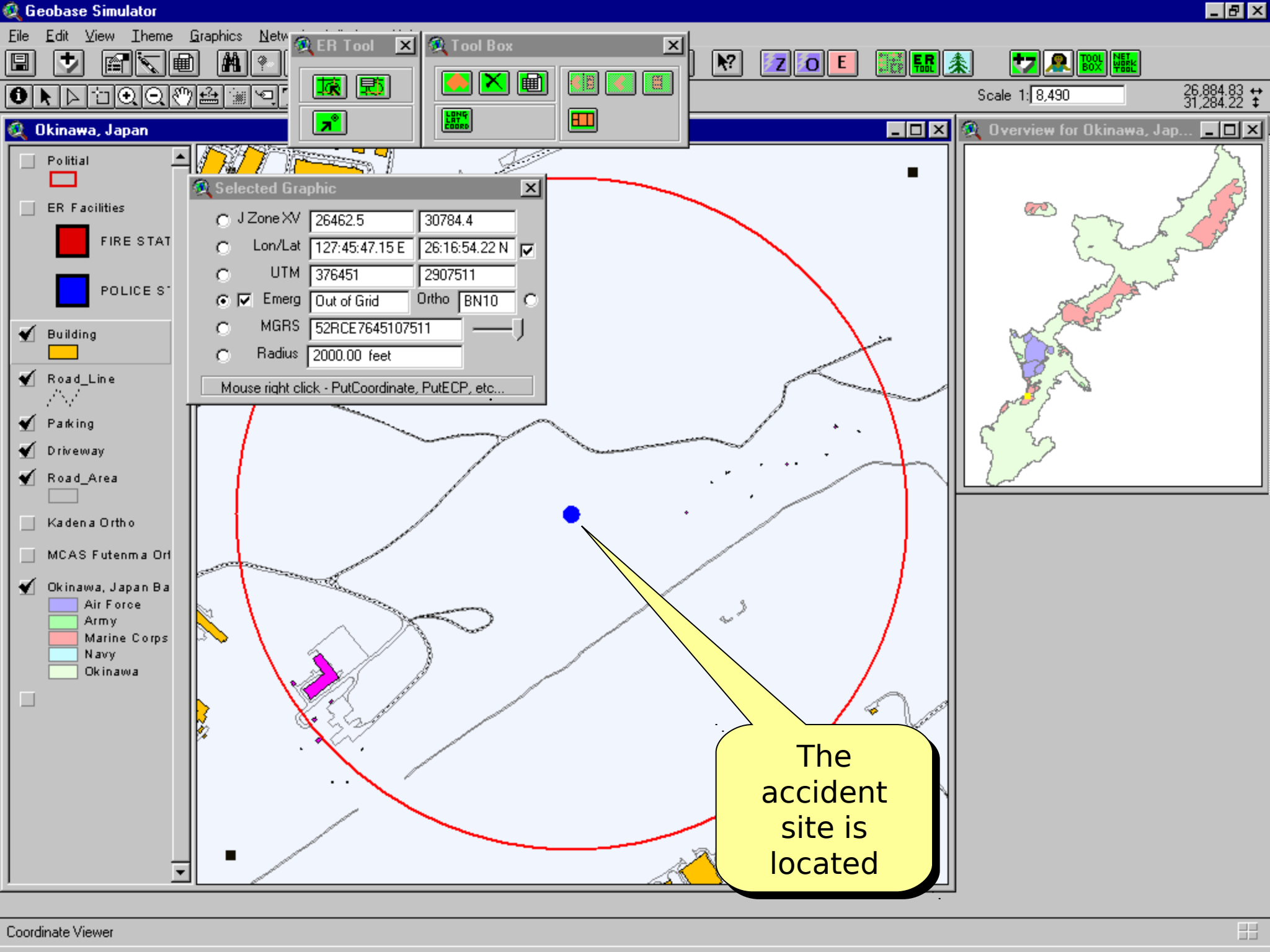
We were able to manage the HAZMAT scenario and quickly respond with a prediction of the extent of the hazard.

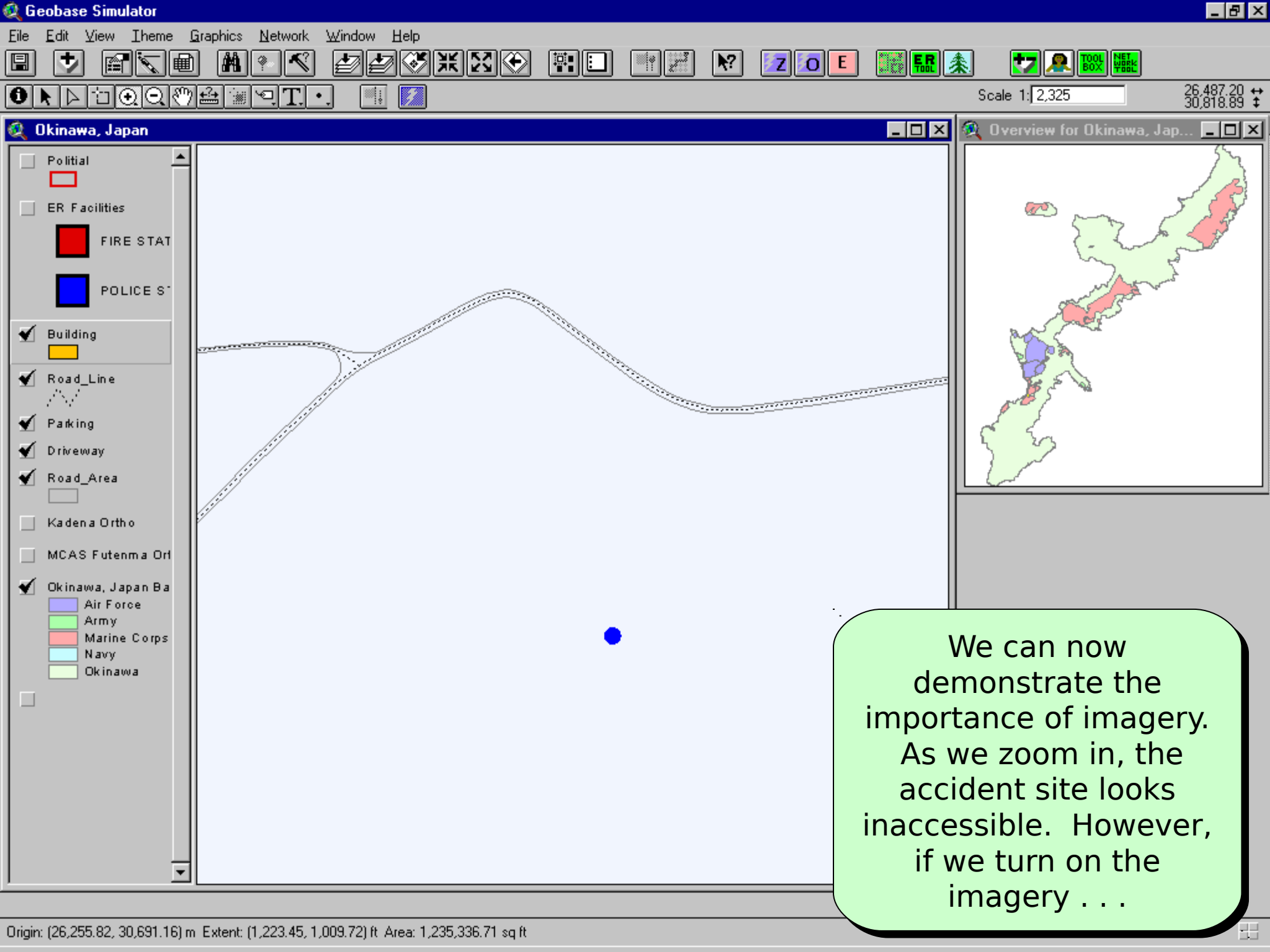
Finally, we showed how we can reroute a mission critical convoy around a hazardous area.

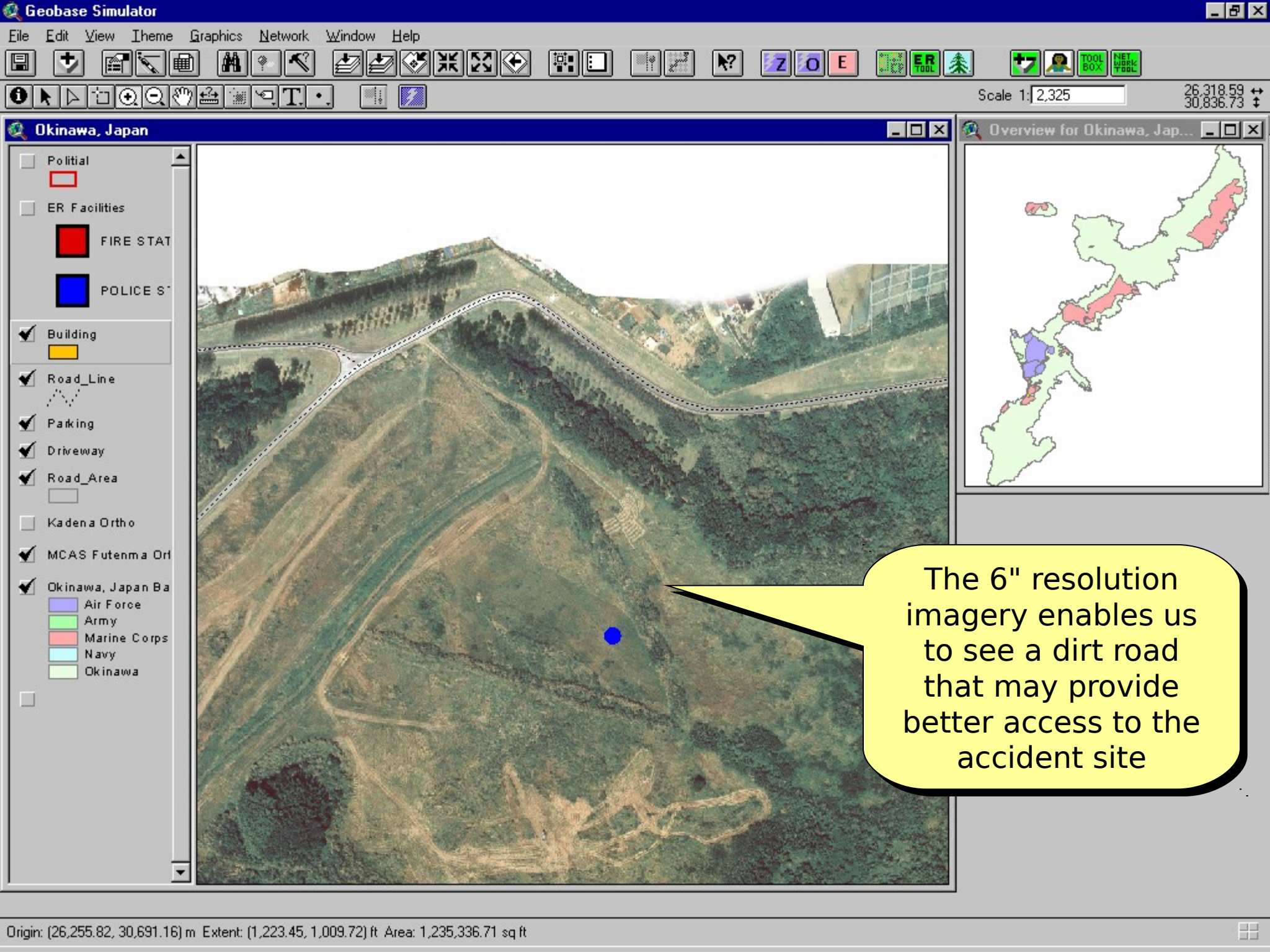


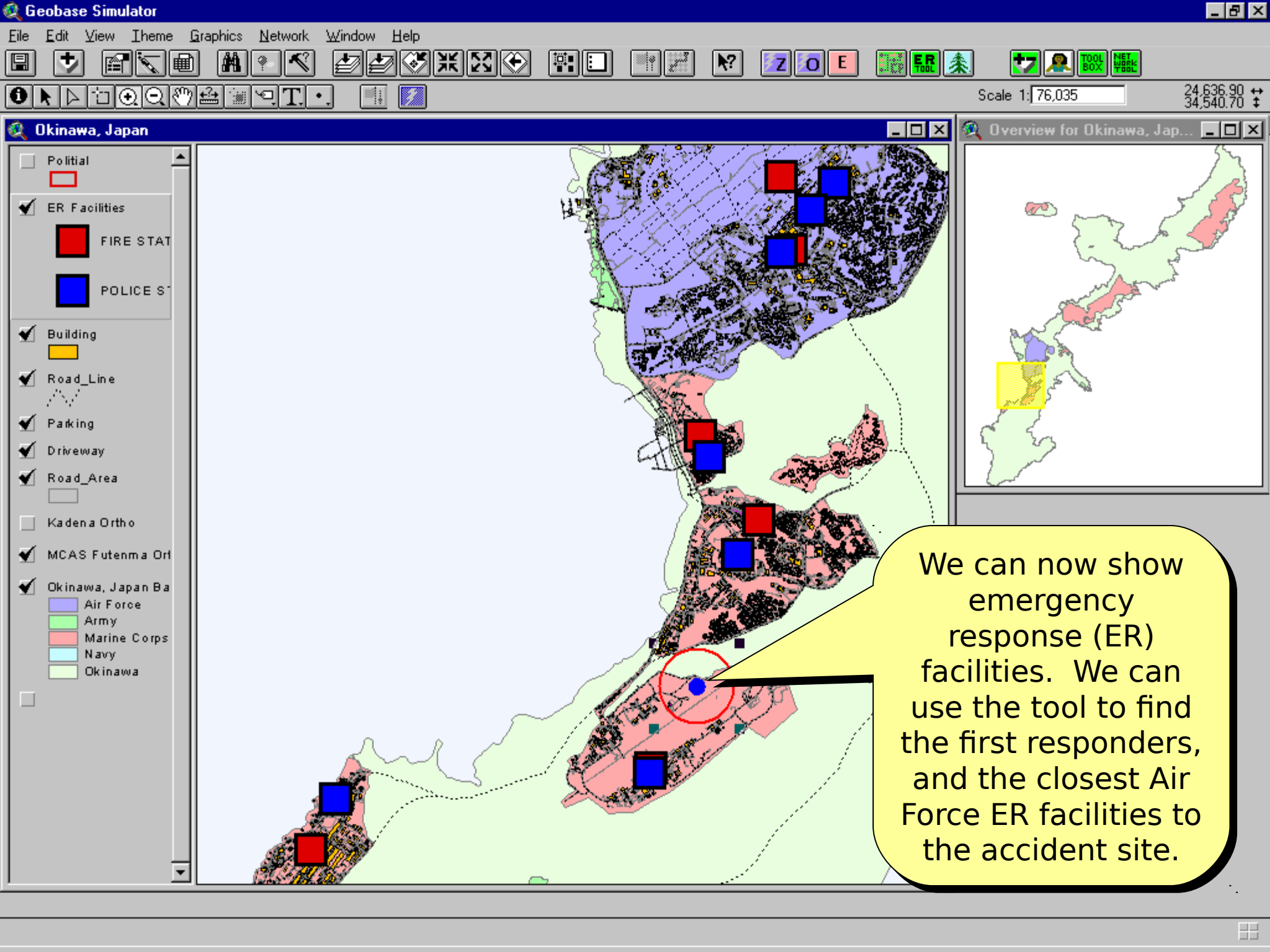
We receive a call from the MCAS Futenma Command Post that an Air Force F-16 has crashed on their base

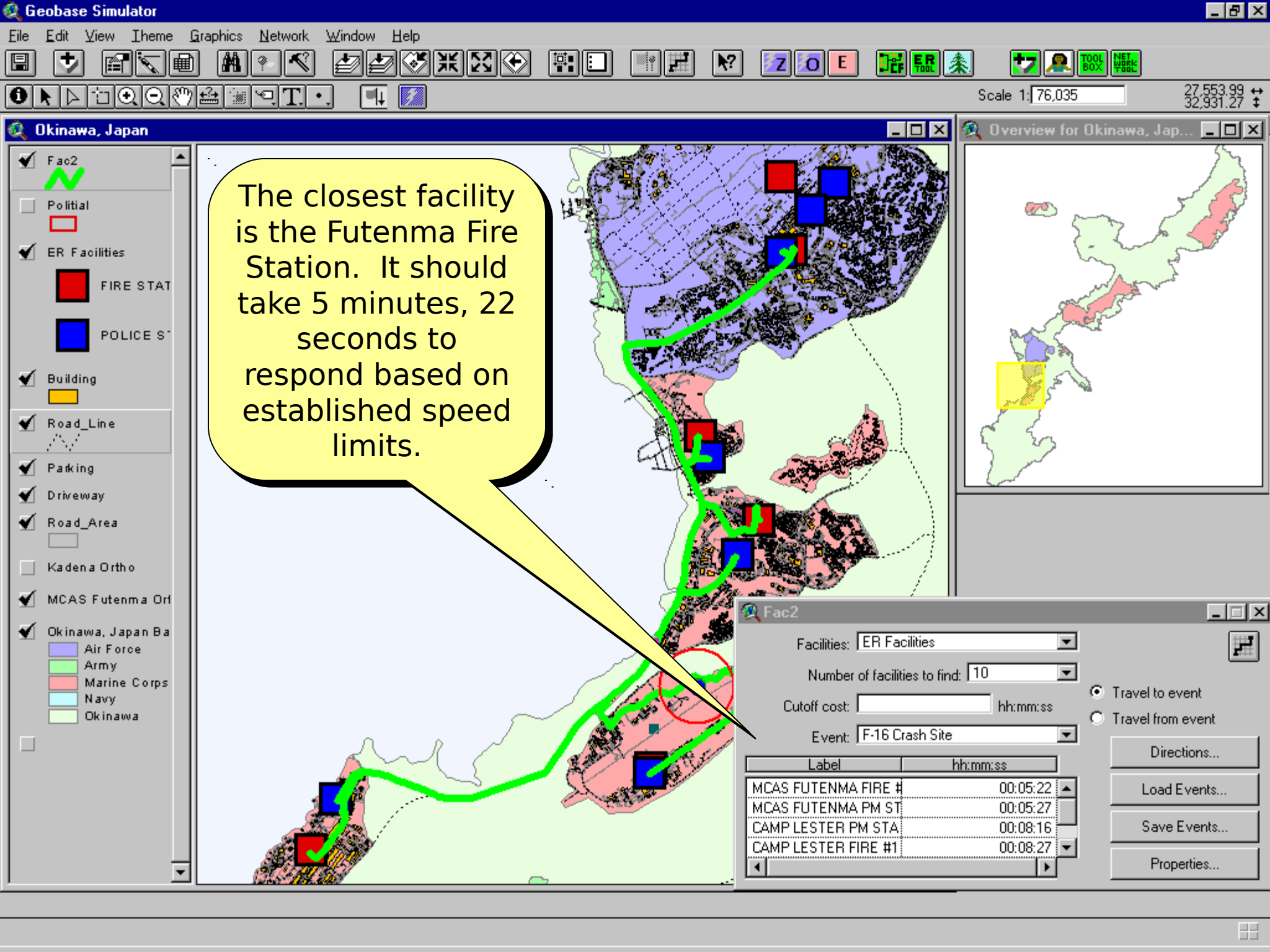

Geobase Simulator
Emergency Response Tool
Find
Switch
J Zone X
Ex.[27572.1]
Lon/Lat
127 45 47.15
26 16 54.22
Ex.[127 46 27.69]
MGRS
Ex.[52RC
64114455]
Ortho
Ex.[BE11]
Draw Center Point
Color
Create Cordon
Distance
Number of Rings(1-5)
Circle
2000
feet
x
1
Polygon
DifferentDistance
Draw Center Point
Color
Wind
From
Degrees
Speed
Knots
Transparent
Find Features
Wind Factor
Intersections to be isolated
Put RoadName
Find Features within Cordon
OK
Cancel
Tool Box
Scale 1:
617,331
78,194.09
100,250.60
Overview for Okinawa, Jap...
Site coordinates are entered to pinpoint the accident site
Navy
Okinawa

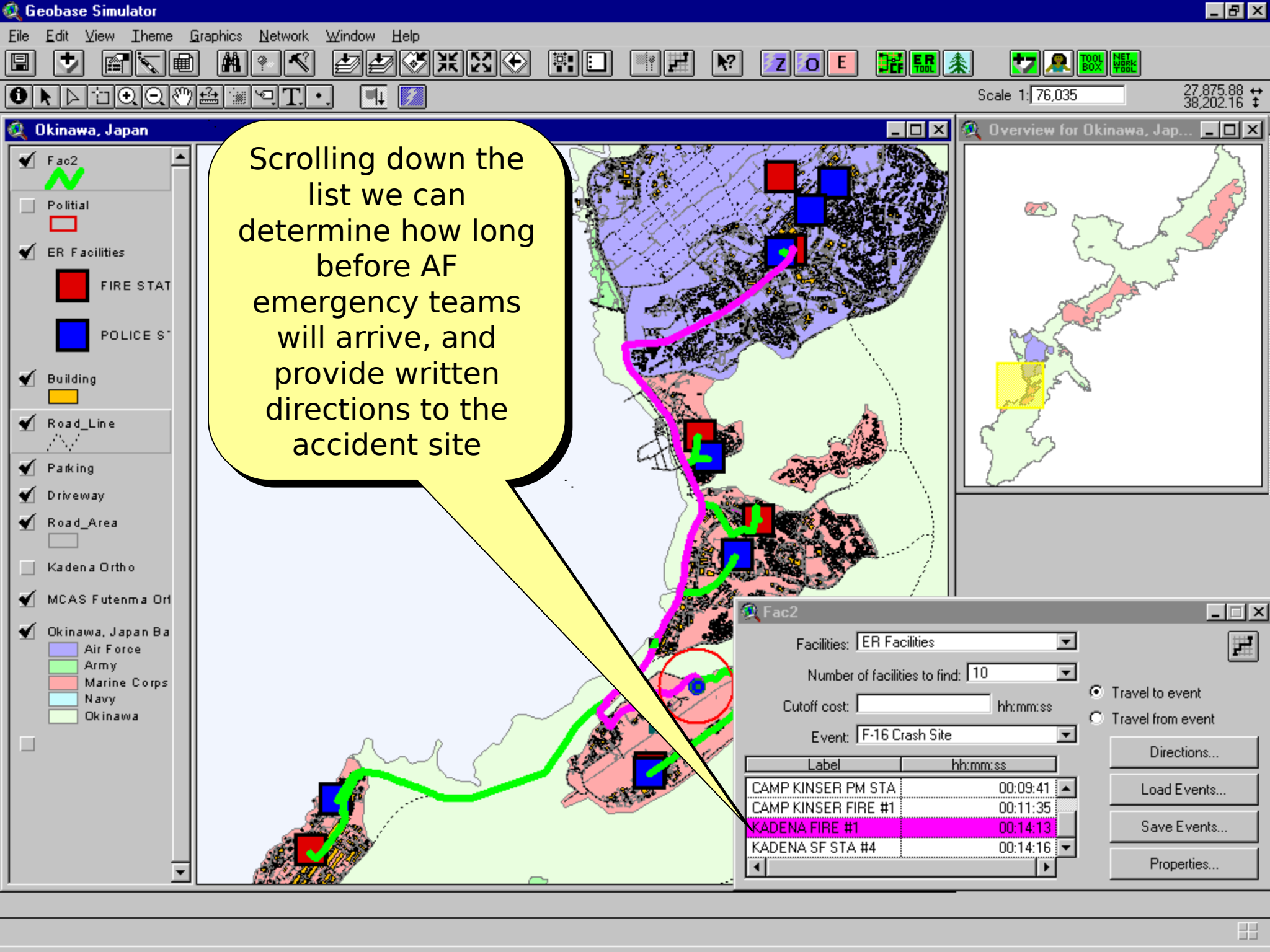

Geobase Simulator
File Edit View Theme Graphics
ER Tool
Tool Box
Scale 1: 8,490
26,884.83
31,284.22
Okinawa, Japan
Overview for Okinawa, Jap...
Selected Graphic
J Zone XV 26462.5 30784.4
Lon/Lat 127:45:47.15 E 26:16:54.22 N
UTM 376451 2907511
Emerg Out of Grid Ortho BN10
MGRS 52RCE7645107511
Radius 2000.00 feet
Mouse right click - PutCoordinate, PutECP, etc...
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Ort
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
The accident site is located
Coordinate Viewer

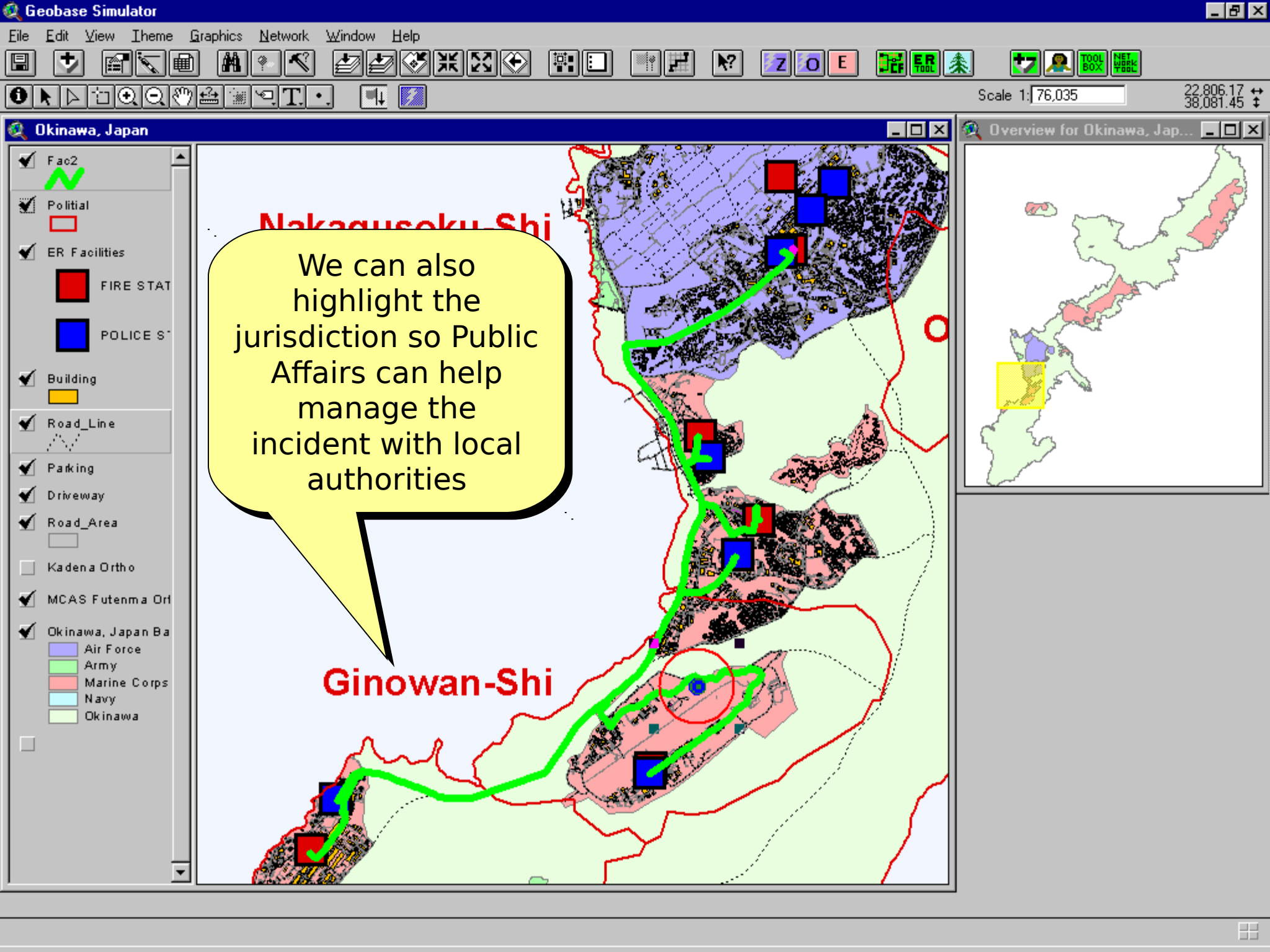

Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 2,325
26,487.20
30,818.89
Okinawa, Japan
Overview for Okinawa, Jap...
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Ort
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
We can now demonstrate the importance of imagery. As we zoom in, the accident site looks inaccessible. However, if we turn on the imagery . . .
Origin: (26,255.82, 30,691.16) m Extent: (1,223.45, 1,009.72) ft Area: 1,235,336.71 sq ft

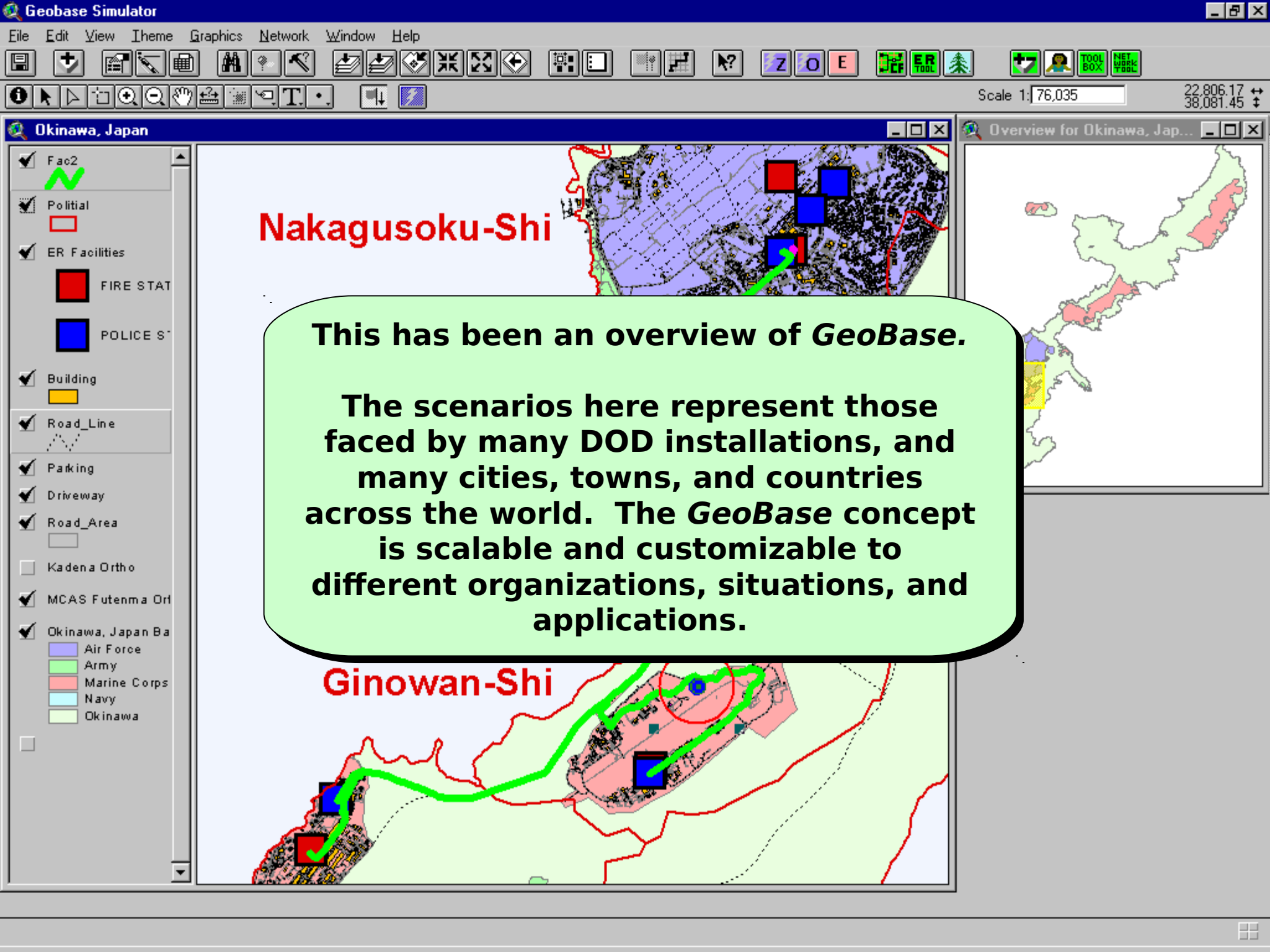

Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 2,325
26,318.59
30,836.73
Okinawa, Japan
Overview for Okinawa, Jap...
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Ort
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
The 6" resolution imagery enables us to see a dirt road that may provide better access to the accident site
Origin: (26,255.82, 30,691.16) m Extent: (1,223.45, 1,009.72) ft Area: 1,235,336.71 sq ft


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 76,035
24,636.90
34,540.70
Okinawa, Japan
Overview for Okinawa, Jap...
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Ort
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
We can now show emergency response (ER) facilities. We can use the tool to find the first responders, and the closest Air Force ER facilities to the accident site.


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 76,035
27,553.99
32,931.27
Okinawa, Japan
Fac2
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Orl
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
The closest facility is the Futenma Fire Station. It should take 5 minutes, 22 seconds to respond based on established speed limits.
Overview for Okinawa, Jap...
Fac2
Facilities: ER Facilities
Number of facilities to find: 10
Cutoff cost: hh:mm:ss
Event: F-16 Crash Site
Travel to event
Travel from event
Label
hh:mm:ss
MCAS FUTENMA FIRE # 00:05:22
MCAS FUTENMA PM ST 00:05:27
CAMP LESTER PM STA 00:08:16
CAMP LESTER FIRE #1 00:08:27
Directions...
Load Events...
Save Events...
Properties...


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 76,035
27,875.88
38,202.16
Okinawa, Japan
Overview for Okinawa, Jap...
Scrolling down the list we can determine how long before AF emergency teams will arrive, and provide written directions to the accident site
Fac2
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Orl
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
Fac2
Facilities: ER Facilities
Number of facilities to find: 10
Cutoff cost: hh:mm:ss
Event: F-16 Crash Site
Travel to event
Travel from event
Label
hh:mm:ss
CAMP KINSER PM STA 00:09:41
CAMP KINSER FIRE #1 00:11:35
KADENA FIRE #1 00:14:13
KADENA SF STA #4 00:14:16
Directions...
Load Events...
Save Events...
Properties...


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 76,035
22,806.17
38,081.45
Okinawa, Japan
Overview for Okinawa, Jap...
Fac2
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Ort
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
We can also highlight the jurisdiction so Public Affairs can help manage the incident with local authorities
Ginowan-Shi


Geobase Simulator
File Edit View Theme Graphics Network Window Help
Scale 1: 76,035
22,806.17
38,081.45
Okinawa, Japan
Overview for Okinawa, Jap...
Fac2
Politial
ER Facilities
FIRE STAT
POLICE S
Building
Road_Line
Parking
Driveway
Road_Area
Kadena Ortho
MCAS Futenma Ort
Okinawa, Japan Ba
Air Force
Army
Marine Corps
Navy
Okinawa
Nakagusoku-Shi
Ginowan-Shi
This has been an overview of GeoBase.
The scenarios here represent those faced by many DOD installations, and many cities, towns, and countries across the world. The GeoBase concept is scalable and customizable to different organizations, situations, and applications.